

Converting Colors

XYZ(79.9190, 100.0000,
48.6875)

Have a look what the booklet for
XYZ(79.9190, 100.0000, 48.6875)
contains.

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Color

**XYZ(75.4717, 91.2490,
47.3533)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFA1
RGB	232, 255, 161
RGB Percent	91%, 100%, 63%
CMY	0.0902, 0.0000, 0.3686
CMYK	0.09, 0.00, 0.37, 0.00
HSL	75°, 100%, 82%
HSV	75°, 37%, 100%
XYZ	75.4717, 91.2490, 47.3533
YIQ	237.4070, 16.4660, -34.1100

Conversions

Conversions Part 2

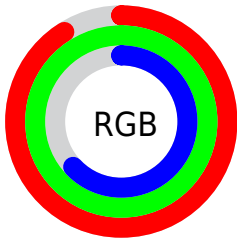
Format	Color
RYB	161, 255, 184
Decimal	15269793
CIELab	96.51, -21.96, 42.46
CIElCh	97, 47.803, 117.352
Yxy	91.2490, 0.3525, 0.4262
Android (android.graphics.Color)	4293459873 (0xFFE8FFA1)
YUV	237.4070, -37.6687, -4.7419
Hunter-Lab	95.5243, -26.1386, 37.4758

Details

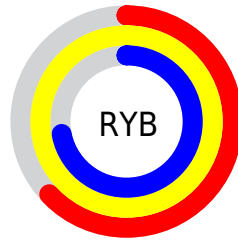
The XYZ color **75.4717, 91.2490, 47.3533** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.5632, 42.9014, 100.2236**, and the grayscale version is **81.0817, 85.3043, 92.8963**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **40.5801, 50.5848, 21.8124** is the 20% darker color. If you saturate the color by 10%, you get **71.4577, 89.4135, 36.6001**, and if you desaturate by 10%, it is **80.0169, 93.3052, 60.5275**.

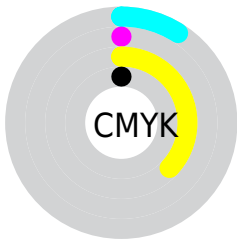
Distribution



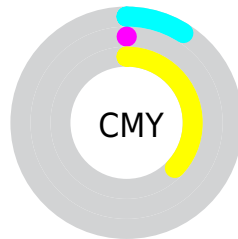
- Red (91%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (72%)



- Cyan (9%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4717, 91.2490, 47.3533 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.4717, 91.2490, 47.3533 by changing the saturation by 10% instead.

75.4717, 91.2490,
47.3533

75.4717, 91.2490,
47.3533

468.5095,
532.0855, 392.6575

56.2949, 69.0170,
32.9587

125.9642,
149.0721, 87.5962

40.6774, 50.7256,
21.8239

158.0106,
185.4320, 114.2817

28.2536, 35.9903,
13.5305

195.0777,
227.2700, 145.9011

18.6584, 24.4267,
7.6599

237.5307,
274.9705, 182.8731

11.5262, 15.6504,
3.7934

285.7350,
328.9180, 225.6162

6.4918, 9.2771,
1.5127

340.0561,

3.1899, 4.9224,

389.4966, 274.5489

0.2274

400.8591,
457.0910, 330.0899

■ 1.2550, 2.2018,
0.0000

■ 0.1491, 0.7210,
0.0000

■ 75.4717, 91.2490,
47.3533

■ 75.4717, 91.2490,
47.3533

■ 71.4577, 89.4135,
36.6001

■ 80.0169, 93.3052,
60.5275

■ 67.9450, 87.7869,
28.1161

■ 85.1187, 95.5925,
76.2542

■ 64.9023, 86.3563,
21.7389

■ 90.8020, 98.1209,
94.6600

■ 62.2933, 85.1072,
17.2822

95.0500, 100.0000,
108.9000

■ 60.0759, 84.0228,
14.5277

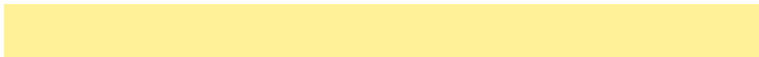
■ 58.1967, 83.0815,
13.1989

■ 57.6517, 82.8056,
12.9445

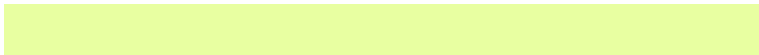
Harmonies

Analogous

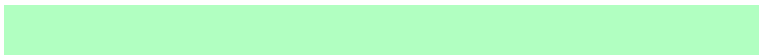
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9199, 91.2490, 42.5623



75.4717, 91.2490, 47.3533



66.8777, 91.2490, 64.7640

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4717, 91.2490, 47.3533



73.6162, 91.2490, 174.9189



114.9541, 91.2490, 102.7874

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.4717, 91.2490, 47.3533



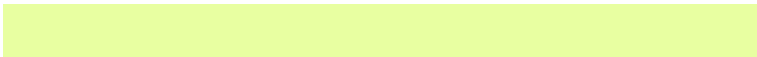
50.5632, 42.9014, 100.2236

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.1656, 91.2490, 144.4810



75.4717, 91.2490, 47.3533



85.5498, 91.2490, 192.2695

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4717, 91.2490, 47.3533



65.8861, 91.2490, 137.0661



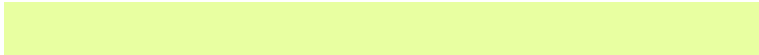
99.0545, 91.2490, 179.9142



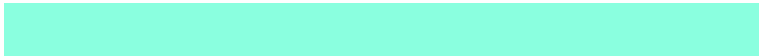
111.5614, 91.2490, 69.2847

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4717, 91.2490, 47.3533



64.0348, 91.2490, 84.1236



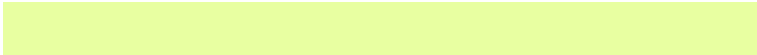
99.0545, 91.2490, 179.9142



114.2376, 91.2490, 116.3213

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.4720, 91.2491, 47.3546



88.3780, 97.0447, 86.7104



64.5935, 57.6737, 41.4472



18.7513, 20.6981, 18.0241



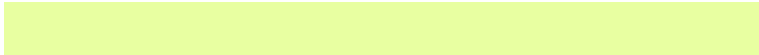
0.0000, 0.0000, 0.0000



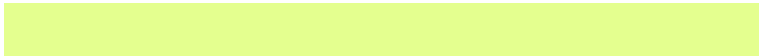
20.3446, 21.4041, 23.3091

Same Dimension

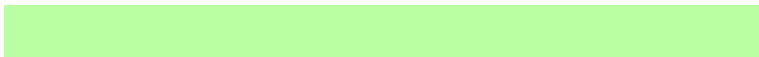
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4720, 91.2491, 47.3546



72.5539, 89.9169, 39.4389



62.4597, 84.5410, 46.7456



19.1015, 20.8538, 19.1628



30.2663, 43.3410, 6.7704



3.0454, 4.2707, 0.6638

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50.5632, 42.9014, 100.2236



44.4750, 35.3793, 99.0925



63.4074, 49.5228, 100.8247



17.4192, 17.5923, 22.7275



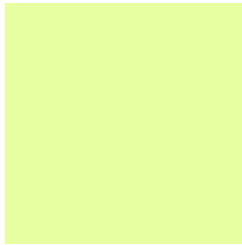
10.5944, 4.3721, 49.7201



1.1252, 0.4740, 4.8455

Previews

White Background



This preview shows how the XYZ color 75.4717, 91.2490, 47.3533 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.4717, 91.2490, 47.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

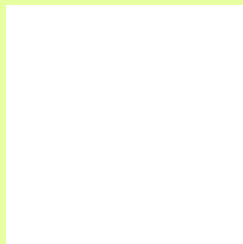
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.4717, 91.2490, 47.3533

Background



This preview shows how black text looks on a background with the XYZ color 75.4717, 91.2490, 47.3533.

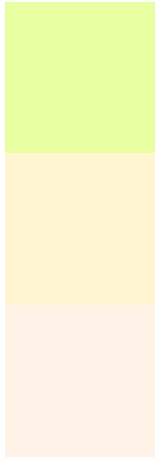


This preview shows how white text looks on a background with the XYZ color 75.4717, 91.2490,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.4717, 91.2490, 47.3533

Protanopia

85.4010, 91.1683, 73.4177

Deuteranopia

87.8561, 91.1874, 89.3143

Tritanopia

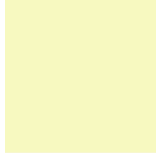
88.0569, 91.3338, 107.5958

Trichromacy



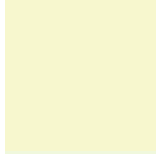
Original Color

75.4717, 91.2490, 47.3533



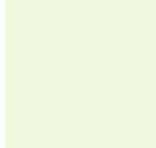
Protanomaly

81.7479, 91.3313, 63.1893



Deuteranomaly

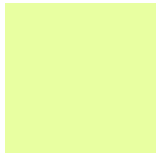
82.7591, 90.7519, 71.5475



Tritanomaly

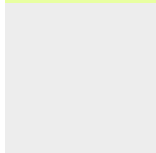
82.5537, 90.8805, 81.5973

Monochromacy



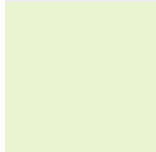
Original Color

75.4717, 91.2490, 47.3533



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.1203, 86.9670, 72.9905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4717, 91.2490, 47.3533 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 161)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 75.4717, 91.2490, 47.3533 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 255, 161) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 255, 161) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4717, 91.2490, 47.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 161) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
255, 161) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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