

Converting Colors

XYZ(79.5913, 100.0000,
35.3585)

Have a look what the booklet for
XYZ(79.5913, 100.0000, 35.3585)
contains.

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Color

**XYZ(75.2529, 91.4292,
34.1034)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF80
RGB	239, 255, 128
RGB Percent	94%, 100%, 50%
CMY	0.0627, 0.0000, 0.4980
CMYK	0.06, 0.00, 0.50, 0.00
HSL	68°, 100%, 75%
HSV	68°, 50%, 100%
XYZ	75.2529, 91.4292, 34.1034
YIQ	235.7380, 31.2310, -42.8890

Conversions

Conversions Part 2

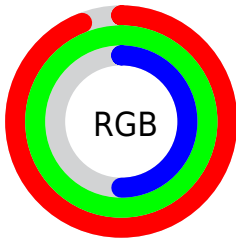
Format	Color
R_{YB}	128, 255, 144
Decimal	15728512
CIE _{Lab}	96.59, -22.73, 58.29
CIE _{LCh}	97, 62.566, 111.303
Yxy	91.4292, 0.3748, 0.4554
Android (android.graphics.Color)	4293918592 (0xFFEFFF80)
YUV	235.7380, -53.1148, 2.8608
Hunter-Lab	95.6186, -26.8511, 45.7866

Details

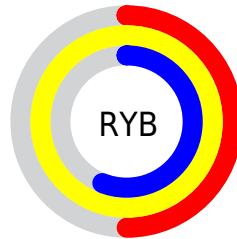
The XYZ color **75.2529, 91.4292, 34.1034** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.2719, 28.5889, 98.1615**, and the grayscale version is **79.9042, 84.0655, 91.5473**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **40.4862, 50.7063, 14.1320** is the 20% darker color. If you saturate the color by 10%, you get **72.7048, 90.2858, 26.2966**, and if you desaturate by 10%, it is **78.2424, 92.7515, 44.1345**.

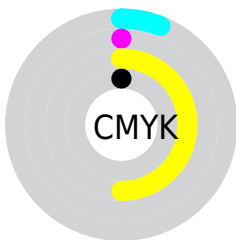
Distribution



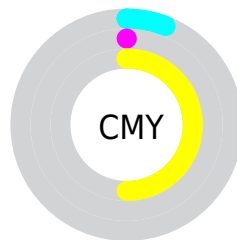
- Red (94%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (56%)



- Cyan (6%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.2529, 91.4292, 34.1034 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 75.2529, 91.4292, 34.1034 by changing the saturation by 10% instead.


 75.2529, 91.4292,
34.1034


 75.2529, 91.4292,
34.1034


467.7702,
532.6691, 335.3761


 56.1150, 69.1666,
22.6950


 125.6563,
149.3220, 67.2302

 40.5325, 50.8474,
14.1653


 157.6525,
185.7211, 89.7857

 28.1400, 36.0872,
8.0957


 194.6655,
227.6011, 116.8939

 18.5722, 24.5015,
4.0676

237.0607,
275.3464, 148.9735

 11.4638, 15.7061,
1.6625

285.2034,
329.3415, 186.4430

 6.4493, 9.3164,
0.3348

339.4589,

 3.1634, 4.9481,

389.9707, 229.7209

0.0000

400.1928,
457.6184, 279.2257

■ 1.2407, 2.2169,
0.0000

■ 0.1382, 0.7292,
0.0000

■ 75.2529, 91.4292,
34.1034

■ 75.2529, 91.4292,
34.1034

■ 72.7048, 90.2858,
26.2966

■ 78.2424, 92.7515,
44.1345

■ 70.5652, 89.3080,
20.5408

■ 81.7018, 94.2639,
56.5383

■ 68.7974, 88.4811,
16.6430

■ 85.6576, 95.9771,
71.4547

■ 67.3573, 87.7875,
14.3721

■ 90.1343, 97.9010,
89.0117

■ 66.1746, 87.1990, 95.0500, 100.0000,
13.3578 108.9000

■ 66.1523, 87.1878,
13.3423

Harmonies

Analogous

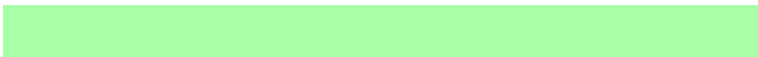
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0829, 91.4292, 31.4947



75.2529, 91.4292, 34.1034



63.2195, 91.4292, 50.6816

Triad

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



75.2529, 91.4292, 34.1034



67.5352, 91.4292, 195.1609



124.5395, 91.4292, 114.8275

Complementary

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



75.2529, 91.4292, 34.1034



37.2719, 28.5889, 98.1615

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.



115.8609, 91.4292, 172.6748



75.2529, 91.4292, 34.1034



81.9167, 91.4292, 228.2398

Square

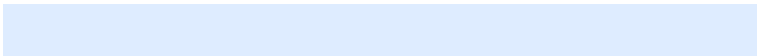
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.2529, 91.4292, 34.1034



59.1969, 91.4292, 138.7765



99.6924, 91.4292, 218.8601



122.1273, 91.4292, 68.5151

Rectangle

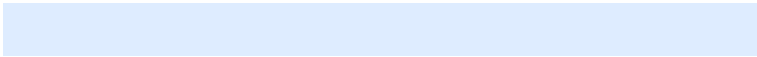
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.2529, 91.4292, 34.1034



58.7931, 91.4292, 71.7717



99.6924, 91.4292, 218.8601



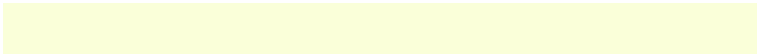
122.7843, 91.4292, 133.7066

Sweetspot

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



75.2531, 91.4293, 34.1046



87.7411, 96.8742, 79.5494



54.9319, 42.4094, 25.7139



18.5812, 20.6495, 16.2501



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

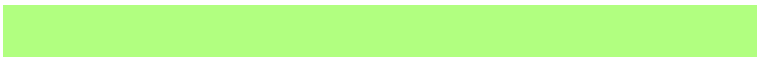
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2531, 91.4293, 34.1046



72.6587, 90.2649, 26.1637



57.7164, 82.3888, 33.2839



19.3228, 20.9678, 19.1731



34.6544, 45.6031, 6.9758



3.4345, 4.4713, 0.6820

Inverse Universe

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



37.2719, 28.5889, 98.1615



30.7253, 20.8077, 97.0046



51.3116, 35.8266, 98.8186



17.2156, 17.4874, 22.7180



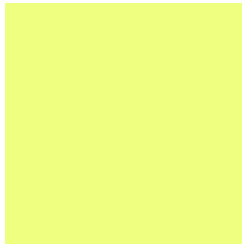
9.8105, 3.9680, 49.6834



1.0189, 0.4192, 4.8405

Previews

White Background



This preview shows how the XYZ color 75.2529, 91.4292, 34.1034 looks on a white background.

Color Contrast Check

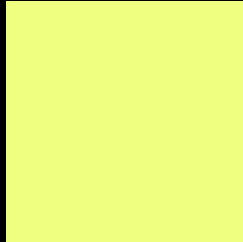
Large Text (above 18pt) WCAG AA × Fail

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 75.2529, 91.4292, 34.1034 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 75.2529, 91.4292, 34.1034

Background



This preview shows how black text looks on a background with the XYZ color 75.2529, 91.4292, 34.1034.



This preview shows how white text looks on a background with the XYZ color 75.2529, 91.4292,

Color Blindness Simulation

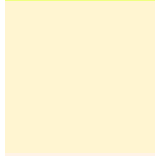
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



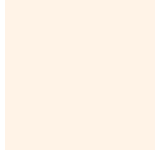
Original Color

75.2529, 91.4292, 34.1034



Protanopia

85.4010, 91.1683, 73.4177



Deuteranopia

87.7144, 91.1307, 88.5682



Tritanopia

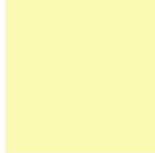
89.5858, 91.2335, 107.4959

Trichromacy



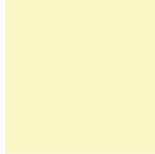
Original Color

75.2529, 91.4292, 34.1034



Protanomaly

81.1808, 91.1864, 56.5021



Deuteranomaly

82.0653, 90.5563, 64.1927



Tritanomaly

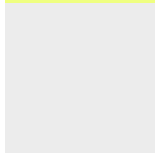
83.1272, 90.8991, 73.4856

Monochromacy



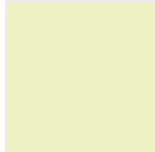
Original Color

75.2529, 91.4292, 34.1034



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.0537, 86.1369, 65.3883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2529, 91.4292, 34.1034 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(239, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 128)  
}
```

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(239, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 128) }
```

Border

The CSS property to change the border of an element to XYZ 75.2529, 91.4292, 34.1034 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(239, 255, 128) }
```


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

```
.border{ border-color:rgb(239, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2529, 91.4292, 34.1034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 128) }
```

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

```
.background{ background-color: rgb(239,  
255, 128) }
```

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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