

Converting Colors

XYZ(105.0005, 149.2852,
51.4042)

Have a look what the booklet for
XYZ(105.0005, 149.2852, 51.4042)
contains.

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Color

**XYZ(76.3652, 91.8353,
41.7181)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFF94
RGB	238, 255, 148
RGB Percent	93%, 100%, 58%
CMY	0.0667, 0.0000, 0.4196
CMYK	0.07, 0.00, 0.42, 0.00
HSL	70°, 100%, 79%
HSV	70°, 42%, 100%
XYZ	76.3652, 91.8353, 41.7181
YIQ	237.7190, 24.2150, -36.8810

Conversions

Conversions Part 2

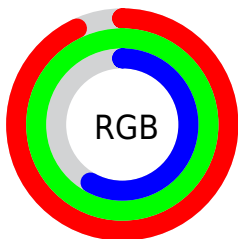
Format	Color
RYB	148, 255, 165
Decimal	15662996
CIELab	96.75, -21.18, 49.14
CIELCh	97, 53.510, 113.316
Yxy	91.8353, 0.3638, 0.4375
Android (android.graphics.Color)	4293853076 (0xFFEEFF94)
YUV	237.7190, -44.2315, 0.2464
Hunter-Lab	95.8307, -25.4614, 41.2707

Details

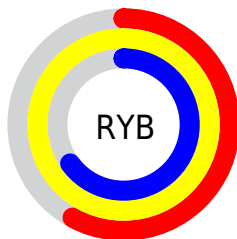
The XYZ color **76.3652, 91.8353, 41.7181** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.1581, 36.4004, 99.3063**, and the grayscale version is **81.3679, 85.6054, 93.2243**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **41.3157, 51.0381, 18.5003** is the 20% darker color. If you saturate the color by 10%, you get **73.2189, 90.4213, 32.1702**, and if you desaturate by 10%, it is **79.9872, 93.4430, 53.6114**.

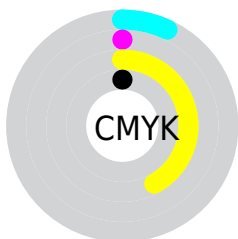
Distribution



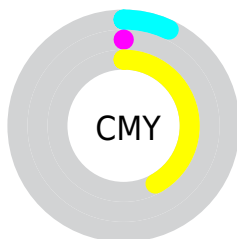
- Red (93%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (65%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.3652, 91.8353, 41.7181 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 76.3652, 91.8353, 41.7181 by changing the saturation by 10% instead.


 76.3652, 91.8353,
41.7181


 76.3652, 91.8353,
41.7181


471.5221,
533.9831, 369.0782

 57.0301, 69.5038,
28.5567


 127.2206,
149.8851, 79.0383

 41.2697, 51.1221,
18.5030


 159.4717,
186.3722, 104.0341

 28.7185, 36.3058,
11.1386

196.7587,
228.3467, 133.8119

 19.0111, 24.6705,
6.0448

239.4472,
276.1929, 168.7901

 11.7824, 15.8317,
2.8031

287.9024,
330.2953, 209.3873

 6.6668, 9.4052,
0.9950

342.4898,

 3.2991, 5.0064,

391.0382, 256.0220

0.0000

403.5745,
458.8060, 309.1128

■ 1.3138, 2.2510,
0.0000

■ 0.1935, 0.7476,
0.0000

■ 76.3652, 91.8353,
41.7181

■ 76.3652, 91.8353,
41.7181

■ 73.2189, 90.4213,
32.1702

■ 79.9872, 93.4430,
53.6114

■ 70.5178, 89.1891,
24.8085

■ 84.1113, 95.2551,
67.9876

■ 68.2291, 88.1252,
19.4600

■ 88.7626, 97.2817,
84.9782

■ 66.3143, 87.2143,
15.9240

■ 93.9643, 99.5321,
104.7042

■ 64.7272, 86.4380, 95.0500, 100.0000,
13.9583 108.9000

■ 63.6332, 85.8892,
13.2244

Harmonies

Analogous

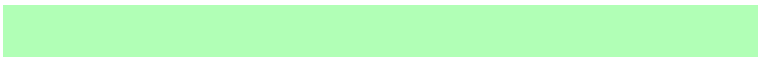
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6855, 91.8353, 38.3607



76.3652, 91.8353, 41.7181



66.1471, 91.8353, 58.3323

Triad

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



76.3652, 91.8353, 41.7181



71.1711, 91.8353, 181.9020



119.1674, 91.8353, 109.9144

Complementary

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



76.3652, 91.8353, 41.7181



44.1581, 36.4004, 99.3063

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.



112.5093, 91.8353, 157.8760



76.3652, 91.8353, 41.7181



83.9739, 91.8353, 206.4652

Square

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



76.3652, 91.8353, 41.7181



63.3969, 91.8353, 136.3648



99.2028, 91.8353, 196.6023



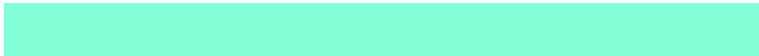
116.5306, 91.8353, 70.7424

Rectangle

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



76.3652, 91.8353, 41.7181



62.4795, 91.8353, 78.1120



99.2028, 91.8353, 196.6023



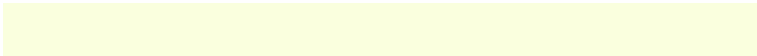
117.9193, 91.8353, 125.6205

Sweetspot

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



76.3654, 91.8353, 41.7194



88.2534, 97.0606, 83.0850



59.8704, 49.9680, 34.5075



18.6628, 20.6763, 16.9448



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

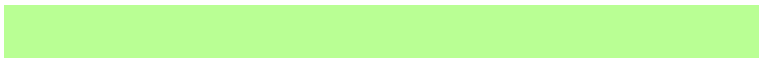
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3654, 91.8353, 41.7194



73.7994, 90.6837, 33.8640



61.2223, 84.0288, 41.0107



19.2611, 20.9360, 19.1702



33.3558, 44.9336, 6.9150



3.3204, 4.4125, 0.6767

Inverse Universe

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



44.1581, 36.4004, 99.3063



37.8731, 28.8015, 98.1709



57.4197, 43.2371, 99.9270



17.2717, 17.5163, 22.7206



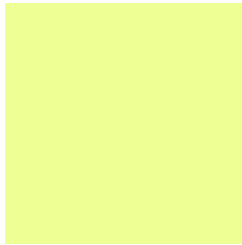
9.9783, 4.0545, 49.6913



1.0451, 0.4327, 4.8417

Previews

White Background



This preview shows how the XYZ color 76.3652, 91.8353, 41.7181 looks on a white background.

Color Contrast Check

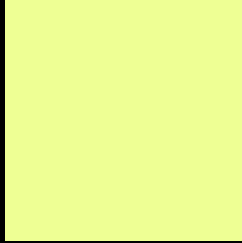
Large Text (above 18pt) WCAG AA × Fail

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 76.3652, 91.8353, 41.7181 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 76.3652, 91.8353, 41.7181

Background



This preview shows how black text looks on a background with the XYZ color 76.3652, 91.8353, 41.7181.



This preview shows how white text looks on a background with the XYZ color 76.3652, 91.8353,

Color Blindness Simulation

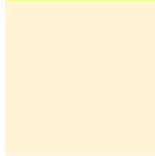
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



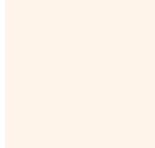
Original Color

76.3652, 91.8353, 41.7181



Protanopia

85.7761, 91.3183, 75.3927



Deuteranopia

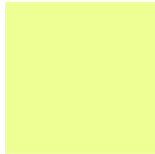
88.2987, 91.8446, 90.1647



Tritanopia

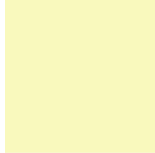
89.1675, 91.4609, 107.5618

Trichromacy



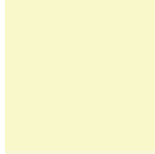
Original Color

76.3652, 91.8353, 41.7181



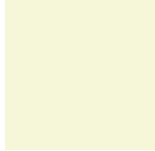
Protanomaly

82.1279, 91.5652, 61.4894



Deuteranomaly

83.2950, 91.5388, 69.1558



Tritanomaly

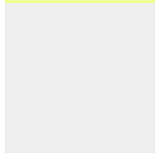
83.3116, 90.8919, 78.1186

Monochromacy



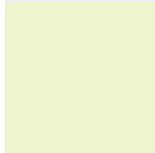
Original Color

76.3652, 91.8353, 41.7181



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.6300, 87.2863, 70.4613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3652, 91.8353, 41.7181 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(238, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 148)  
}
```

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(238, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 76.3652, 91.8353, 41.7181 is called "border". The border property can be set on classes, ids or directly on the HTML element.

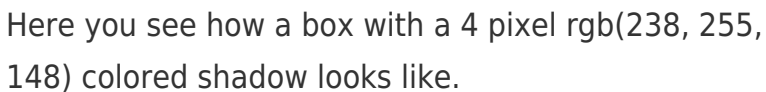
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 255, 148) }
```


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

```
.border{ border-color:rgb(238, 255, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(238, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 255, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 255, 148); box-shadow:4px 4px 4px 4px rgb(238, 255, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3652, 91.8353, 41.7181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 148) }
```

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

```
.background{ background-color: rgb(238,  
255, 148) }
```

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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