

Converting Colors

XYZ(50.0365, 64.2814, 93.7761)

Have a look what the booklet for
XYZ(50.0365, 64.2814, 93.7761)
contains.

XYZ(50.0334, 64.3142, 93.7812)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.0334, 64.3142,
93.7812)**

Conversions

Conversions Part 1

Format	Color
Hex	71E2F2
RGB	113, 226, 242
RGB Percent	44%, 89%, 95%
CMY	0.5568, 0.1137, 0.0510
CMYK	0.53, 0.07, 0.00, 0.05
HSL	187°, 83%, 70%
HSV	187°, 53%, 95%
XYZ	50.0334, 64.3142, 93.7812
YIQ	194.0370, -72.4840, -18.9800

Conversions

Conversions Part 2

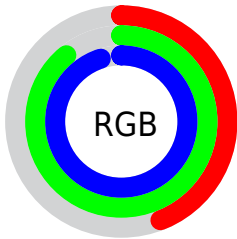
Format	Color
R _Y B	113, 173, 242
Decimal	7463666
CIE Lab	84.13, -27.87, -17.65
CIE LCh	84, 32.994, 212.347
Yxy	64.3142, 0.2404, 0.3090
Android (android.graphics.Color)	4285653746 (0xFF71E2F2)
YUV	194.0370, 23.6458, -71.0694
Hunter-Lab	80.1961, -28.9792, -13.1963

Details

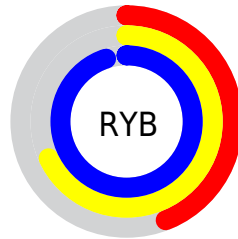
The XYZ color **50.0334, 64.3142, 93.7812** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.4502, 35.7715, 20.0283**, and the grayscale version is **51.1972, 53.8634, 58.6572**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **24.2764, 32.8301, 51.5117** is the 20% darker color. If you saturate the color by 10%, you get **46.5167, 61.3017, 93.3862**, and if you desaturate by 10%, it is **54.3983, 67.7880, 94.2228**.

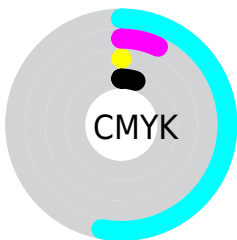
Distribution



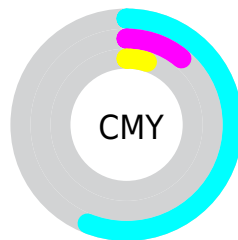
- Red (44%)
- Green (89%)
- Blue (95%)



- Red (44%)
- Yellow (68%)
- Blue (95%)



- Cyan (53%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)



- Cyan (56%)
- Magenta (11%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0334, 64.3142, 93.7812 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 50.0334, 64.3142, 93.7812 by changing the saturation by 10% instead.

50.0334, 64.3142,
93.7812

50.0334, 64.3142,
93.7812

377.2464,
440.3234, 561.1401

35.6578, 46.9052,
70.5297

89.4159, 111.0633,
154.5608

24.3389, 32.9607,
51.4790

115.1535,
141.1722, 192.9259

15.7113, 22.0964,
36.2106

145.4092,
176.2832, 237.1660

9.4097, 13.9277,
24.3059

180.5484,
216.7807, 287.6997

5.0686, 8.0704,
15.3464

220.9363,
263.0491, 344.9453

2.3227, 4.1400,
8.9135

266.9384,

0.8063, 1.7522,

315.4727, 409.3216

4.5888

318.9200,
374.4360, 481.2470

■ 0.0000, 0.4571,
1.9536

■ 0.0000, 0.0000,
0.5265

■ 50.0334, 64.3142,
93.7812

■ 50.0334, 64.3142,
93.7812

■ 46.5167, 61.3017,
93.3862

■ 54.3983, 67.7880,
94.2228

■ 43.7746, 58.7082,
93.0302

■ 59.6655, 71.7469,
94.7093

■ 41.7309, 56.4957,
92.7108

■ 65.8919, 76.2217,
95.2449

■ 40.2906, 54.6152,
92.4238

■ 73.1276, 81.2383,
95.8318

■ 39.5679, 53.4922,
92.2451

■ 81.4194, 86.8210,
96.4724

■ 89.6213, 92.3790,
97.1129

■ 90.5318, 94.2001,
97.4164

■ 91.4571, 96.0507,
97.7248

■ 92.3973, 97.9310,
98.0382

Harmonies

Analogous

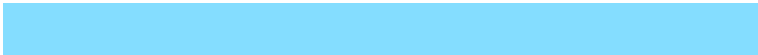
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.1639, 64.3142, 71.6846



50.0334, 64.3142, 93.7812



54.8503, 64.3142, 111.9516

Triad

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



50.0334, 64.3142, 93.7812



74.4065, 64.3142, 90.3630



60.5563, 64.3142, 37.0837

Complementary

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



50.0334, 64.3142, 93.7812



47.4502, 35.7715, 20.0283

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.



67.8688, 64.3142, 40.1439



50.0334, 64.3142, 93.7812



76.2334, 64.3142, 68.3956

Square

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



50.0334, 64.3142, 93.7812



68.9407, 64.3142, 109.7183



73.7539, 64.3142, 50.6667



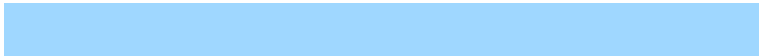
53.9303, 64.3142, 41.2895

Rectangle

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



50.0334, 64.3142, 93.7812



59.2807, 64.3142, 117.8330



73.7539, 64.3142, 50.6667



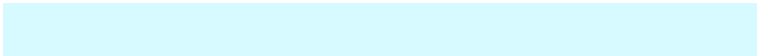
63.0147, 64.3142, 37.2961

Sweetspot

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



50.0354, 64.3166, 93.7827



80.0069, 89.8802, 107.7395



42.4633, 68.5762, 31.4398



16.7585, 18.9851, 23.0312



0.0000, 0.0000, 0.0000



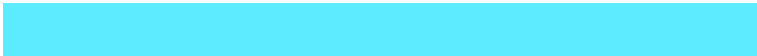
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0354, 64.3166, 93.7827



52.0834, 68.7644, 105.1355



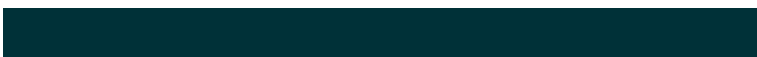
35.8386, 35.9230, 89.0505



16.0703, 17.5748, 20.2669



21.3250, 28.8743, 49.5772



1.8205, 2.4951, 4.1399

Inverse Universe

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



56.2522, 36.1803, 75.9727



60.0106, 34.8640, 81.9822



58.5708, 58.0126, 23.7351



16.3649, 15.9957, 19.4780



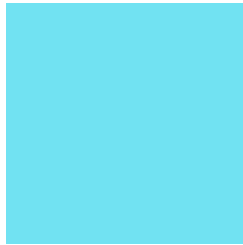
26.0895, 12.7082, 34.7176



2.1939, 1.0666, 3.0118

Previews

White Background



This preview shows how the XYZ color 50.0334, 64.3142, 93.7812 looks on a white background.

Color Contrast Check

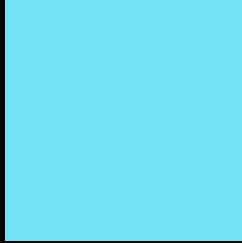
Large Text (above 18pt) WCAG AA × Fail

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 50.0334, 64.3142, 93.7812 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

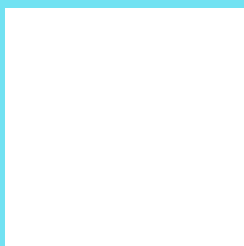
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0334, 64.3142, 93.7812

Background



This preview shows how black text looks on a background with the XYZ color 50.0334, 64.3142, 93.7812.



This preview shows how white text looks on a background with the XYZ color 50.0334, 64.3142,

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

50.0334, 64.3142, 93.7812

Protanopia

62.0494, 63.4606, 83.8417

Deuteranopia

64.9597, 63.6028, 96.8485



Tritanopia

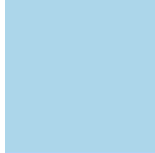
50.4649, 64.5018, 95.3783

Trichromacy



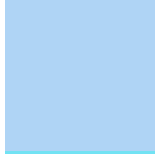
Original Color

50.0334, 64.3142, 93.7812



Protanomaly

55.9111, 62.8043, 87.0175



Deuteranomaly

57.7041, 62.7935, 95.4652



Tritanomaly

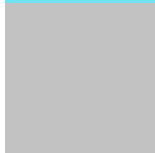
50.3134, 64.4412, 94.5806

Monochromacy



Original Color

50.0334, 64.3142, 93.7812



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

49.3462, 56.8451, 69.9994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0334, 64.3142, 93.7812 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(113, 226, 242)` looks like.

```
.text, #text, p{  
    color:rgb(113, 226, 242)  
}
```

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(113, 226, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 226, 242) }
```

Border

The CSS property to change the border of an element to XYZ 50.0334, 64.3142, 93.7812 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(113, 226, 242) }
```


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

```
.border{ border-color:rgb(113, 226, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 226, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 226, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 226, 242);  
box-shadow:4px 4px 4px 4px rgb(113, 226,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0334, 64.3142, 93.7812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 226, 242) }
```

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

```
.background{ background-color: rgb(113,  
226, 242) }
```

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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