

Converting Colors

XYZ(47.3360, 65.3808, 88.8068)

Have a look what the booklet for
XYZ(47.3360, 65.3808, 88.8068)
contains.

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Color

**XYZ(47.4193, 65.5504,
88.7505)**

Conversions

Conversions Part 1

Format	Color
Hex	53E8EB
RGB	83, 232, 235
RGB Percent	33%, 91%, 92%
CMY	0.6745, 0.0902, 0.0784
CMYK	0.65, 0.01, 0.00, 0.08
HSL	181°, 79%, 62%
HSV	181°, 65%, 92%
XYZ	47.4193, 65.5504, 88.7505
YIQ	187.7910, -89.7670, -30.6550

Conversions

Conversions Part 2

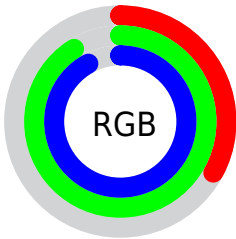
Format	Color
R _Y B	83, 158, 235
Decimal	5499115
CIE Lab	84.77, -37.78, -13.09
CIE LCh	85, 39.982, 199.109
Yxy	65.5504, 0.2351, 0.3250
Android (android.graphics.Color)	4283689195 (0xFF53E8EB)
YUV	187.7910, 23.2740, -91.9017
Hunter-Lab	80.9632, -37.1400, -8.3185

Details

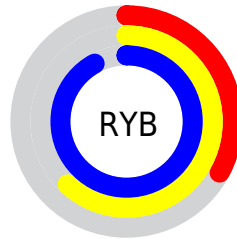
The XYZ color **47.4193, 65.5504, 88.7505** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **39.1515, 24.9438, 10.9365**, and the grayscale version is **47.5923, 50.0708, 54.5271**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **23.6620, 34.3053, 48.0223** is the 20% darker color. If you saturate the color by 10%, you get **45.5568, 64.3983, 88.6275**, and if you desaturate by 10%, it is **49.9884, 67.0702, 88.9096**.

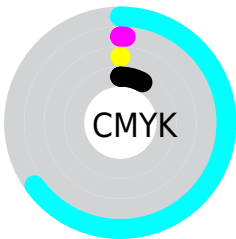
Distribution



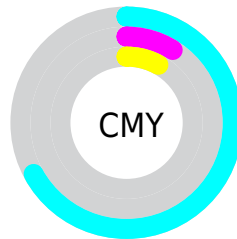
- Red (33%)
- Green (91%)
- Blue (92%)



- Red (33%)
- Yellow (62%)
- Blue (92%)



- Cyan (65%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)




- Cyan (67%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4193, 65.5504, 88.7505 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 47.4193, 65.5504, 88.7505 by changing the saturation by 10% instead.


 47.4193, 65.5504,
88.7505


 47.4193, 65.5504,
88.7505


367.1067,
444.7672, 544.4227


 33.5766, 47.9075,
66.3769


 85.5541, 112.8408,
147.5219


 22.7299, 33.7537,
48.1200


 110.5769,
143.2571, 184.7567

 14.5138, 22.7044,
33.5613

 140.0571,
178.7000, 227.7825

 8.5629, 14.3754,
22.2821

 174.3601,
219.5539, 277.0176

 4.5120, 8.3822,
13.8641

213.8512,
266.2032, 332.8806

 1.9957, 4.3405,
7.8885

258.8958,

 0.6315, 1.8658,

319.0322, 395.7901

3.9369

309.8592,
378.4254, 466.1646

■ 0.0000, 0.5277,
1.5908

■ 0.0000, 0.0000,
0.2843

■ 47.4193, 65.5504,
88.7505

■ 47.4193, 65.5504,
88.7505

■ 45.5568, 64.3983,
88.6275

■ 49.9884, 67.0702,
88.9096

■ 44.3208, 63.5681,
88.5324


■ 53.3222, 68.9833,
89.1032

■ 43.6221, 63.0155,
88.4625


■ 57.4794, 71.3215,
89.3354


■ 43.3945, 62.7959,
88.4322


■ 62.5115, 74.1111,
89.6086

 68.4657, 77.3766,
89.9251

 75.3858, 81.1406,
90.2869

 83.3129, 85.4242,
90.6959

 86.1482, 87.0833,
90.8667

 86.2816, 87.3502,
90.9112

Harmonies

Analogous

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



46.8893, 65.5504, 62.4623



47.4193, 65.5504, 88.7505



51.7057, 65.5504, 115.4797

Triad

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



47.4193, 65.5504, 88.7505



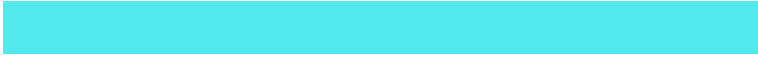
76.2365, 65.5504, 108.7332



65.6113, 65.5504, 33.0965

Complementary

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



47.4193, 65.5504, 88.7505



39.1515, 24.9438, 10.9365

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.



74.2591, 65.5504, 40.2276



47.4193, 65.5504, 88.7505



80.7727, 65.5504, 81.0937

Square

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



47.4193, 65.5504, 88.7505



68.1078, 65.5504, 128.7917



80.0162, 65.5504, 56.4266



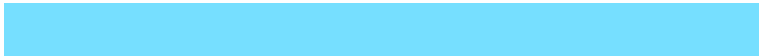
56.8391, 65.5504, 34.2037

Rectangle

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



47.4193, 65.5504, 88.7505



56.3676, 65.5504, 128.0167



80.0162, 65.5504, 56.4266



68.6425, 65.5504, 34.5256

Sweetspot

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



47.4213, 65.5529, 88.7521



79.1125, 91.3324, 108.0670



34.9381, 61.9215, 18.8183



16.4986, 19.3103, 23.1076



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.



47.4213, 65.5529, 88.7521



54.2076, 77.1060, 106.6336



30.5315, 31.7733, 83.1221



15.4907, 17.0679, 19.4002



24.1625, 34.9720, 49.2197



1.9055, 2.7624, 3.8676

Inverse Universe

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



51.9214, 29.6767, 79.3382



60.0837, 31.0679, 94.1602



48.6623, 43.9654, 14.1068



15.7012, 15.3084, 18.9780



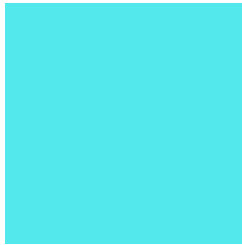
27.0514, 13.0233, 42.9336



2.1283, 1.0243, 3.3930

Previews

White Background



This preview shows how the XYZ color 47.4193, 65.5504, 88.7505 looks on a white background.

Color Contrast Check

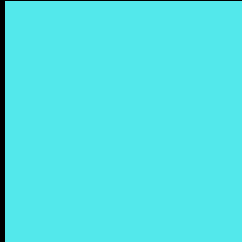
Large Text (above 18pt) WCAG AA × Fail

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 47.4193, 65.5504, 88.7505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

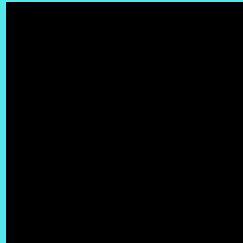
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4193, 65.5504, 88.7505

Background



This preview shows how black text looks on a background with the XYZ color 47.4193, 65.5504, 88.7505.



This preview shows how white text looks on a background with the XYZ color 47.4193, 65.5504,

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

47.4193, 65.5504, 88.7505

Protanopia

62.7156, 64.6703, 77.5838

Deuteranopia

66.0274, 64.6124, 92.2105



Tritanopia

49.6121, 65.6068, 99.6711

Trichromacy



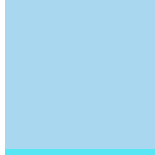
Original Color

47.4193, 65.5504, 88.7505



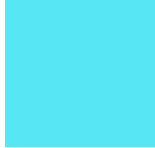
Protanomaly

53.8502, 63.0092, 81.2753



Deuteranomaly

56.0289, 63.1577, 90.8990



Tritanomaly

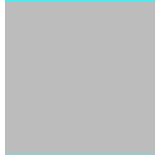
48.8355, 65.7097, 95.6973

Monochromacy



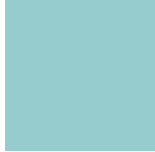
Original Color

47.4193, 65.5504, 88.7505



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.1900, 54.0775, 65.8139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4193, 65.5504, 88.7505 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(83, 232, 235)` looks like.

```
.text, #text, p{  
    color:rgb(83, 232, 235)  
}
```

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(83, 232, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 232, 235) }
```

Border

The CSS property to change the border of an element to XYZ 47.4193, 65.5504, 88.7505 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(83, 232, 235) }
```


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

```
.border{ border-color:rgb(83, 232, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 232, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 232, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 232, 235);  
box-shadow:4px 4px 4px 4px rgb(83, 232,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4193, 65.5504, 88.7505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 232, 235) }
```

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

```
.background{ background-color: rgb(83, 232,  
235) }
```

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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