

Converting Colors

XYZ(50.3052, 73.2207, 85.7691)

Have a look what the booklet for
XYZ(50.3052, 73.2207, 85.7691)
contains.

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Color

**XYZ(50.2405, 73.1884,
85.6076)**

Conversions

Conversions Part 1

Format	Color
Hex	4EF6E5
RGB	78, 246, 229
RGB Percent	31%, 96%, 90%
CMY	0.6941, 0.0353, 0.1020
CMYK	0.68, 0.00, 0.07, 0.04
HSL	174°, 90%, 64%
HSV	174°, 68%, 96%
XYZ	50.2405, 73.1884, 85.6076
YIQ	193.8300, -94.6710, -40.9030

Conversions

Conversions Part 2

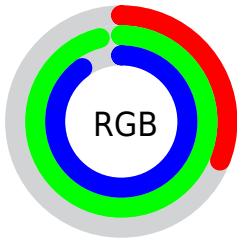
Format	Color
R_{YB}	78, 166, 246
Decimal	5175013
CIE _{Lab}	88.54, -46.32, -4.36
CIE _{LCh}	89, 46.524, 185.372
Yxy	73.1884, 0.2403, 0.3501
Android (android.graphics.Color)	4283365093 (0xFF4EF6E5)
YUV	193.8300, 17.3388, -101.5829
Hunter-Lab	85.5502, -44.8864, 0.5554

Details

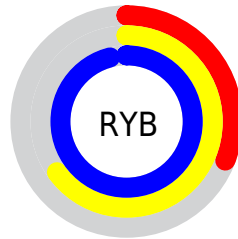
The XYZ color **50.2405, 73.1884, 85.6076** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.7984, 25.8699, 13.5666**, and the grayscale version is **51.1209, 53.7832, 58.5699**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **25.8376, 39.4512, 46.2975** is the 20% darker color. If you saturate the color by 10%, you get **48.2446, 72.2010, 83.7140**, and if you desaturate by 10%, it is **52.9990, 74.5717, 87.5662**.

Distribution



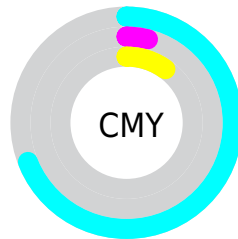
- Red (31%)
- Green (96%)
- Blue (90%)



- Red (31%)
- Yellow (65%)
- Blue (96%)



- Cyan (68%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (69%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2405, 73.1884, 85.6076 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 50.2405, 73.1884, 85.6076 by changing the saturation by 10% instead.


 50.2405, 73.1884,
85.6076


 50.2405, 73.1884,
85.6076

378.0422,
471.6675, 533.8334


 35.8231, 54.1300,
63.7905


 89.7208, 123.7446,
143.1035


 24.4671, 38.7056,
46.0359


 115.5144,
156.0113, 179.6193

 15.8071, 26.5308,
31.9253


 145.8308,
193.4495, 221.8718

 9.4777, 17.2212,
21.0401

 181.0354,
236.4436, 270.2796

 5.1137, 10.3923,
12.9618

221.4934,
285.3781, 325.2610

 2.3495, 5.6598,
7.2718

267.5704,

 0.8198, 2.6394,

340.6373, 387.2348

3.5517

319.6315,
402.6057, 456.6194

0.0000, 0.9465,
1.3828

0.0000, 0.0000,
0.1282

50.2405, 73.1884,
85.6076

50.2405, 73.1884,
85.6076

48.2446, 72.2010,
83.7140

52.9990, 74.5717,
87.5662

46.9158, 71.5554,
81.8758


56.5891, 76.3814,
89.5883


46.1319, 71.1900,
80.0890


61.0791, 78.6545,
91.6787


46.0224, 71.1401,
79.7871


66.5285, 81.4215,
93.8404

 72.9917, 84.7107,
96.0759

 80.5191, 88.5478,
98.3878

 89.1576, 92.9572,
100.7784

 91.2833, 94.0084,
102.8909

 91.6741, 94.1648,
104.9491

Harmonies

Analogous

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



51.7572, 73.1884, 56.6407



50.2405, 73.1884, 85.6076



53.4312, 73.1884, 121.0157

Triad

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



50.2405, 73.1884, 85.6076



82.7970, 73.1884, 141.3425



78.9346, 73.1884, 35.7268

Complementary

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



50.2405, 73.1884, 85.6076



42.7984, 25.8699, 13.5666

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.



88.6540, 73.1884, 49.0392



50.2405, 73.1884, 85.6076



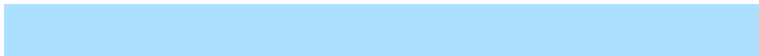
91.0463, 73.1884, 108.2712

Square

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



50.2405, 73.1884, 85.6076



71.6002, 73.1884, 158.2699



93.2967, 73.1884, 74.0511



67.5656, 73.1884, 32.6878

Rectangle

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



50.2405, 73.1884, 85.6076



58.0235, 73.1884, 142.0167



93.2967, 73.1884, 74.0511



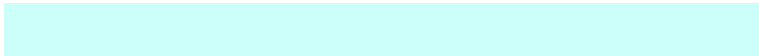
82.5400, 73.1884, 38.9333

Sweetspot

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



50.2426, 73.1912, 85.6093



77.8918, 91.2494, 103.8173



39.3272, 69.0390, 18.4624



16.2369, 19.3096, 22.0741



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.



50.2426, 73.1912, 85.6093



51.7102, 78.0297, 90.0557



36.4250, 41.5687, 93.2957



16.9202, 18.7272, 20.8640



24.5943, 37.9826, 42.7451



2.1821, 3.3465, 3.8647

Inverse Universe

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



42.7984, 25.8699, 13.5666



43.2281, 23.6122, 7.5992



49.1165, 39.6110, 12.2663



16.5673, 16.5098, 17.4678



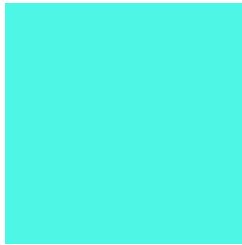
20.4023, 10.5044, 1.5612



1.8155, 0.9322, 0.2547

Previews

White Background



This preview shows how the XYZ color 50.2405, 73.1884, 85.6076 looks on a white background.

Color Contrast Check

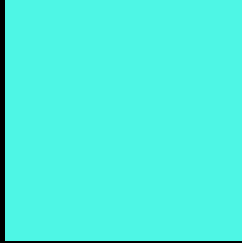
Large Text (above 18pt) WCAG AA × Fail

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 50.2405, 73.1884, 85.6076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

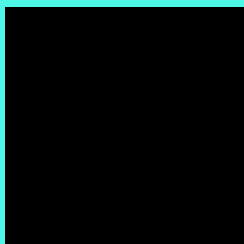
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

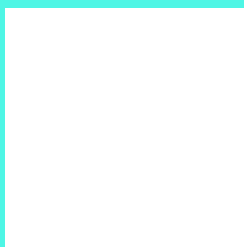
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2405, 73.1884, 85.6076

Background



This preview shows how black text looks on a background with the XYZ color 50.2405, 73.1884, 85.6076.

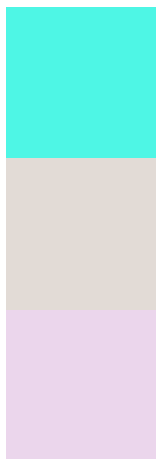


This preview shows how white text looks on a background with the XYZ color 50.2405, 73.1884,

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

50.2405, 73.1884, 85.6076

Protanopia

68.8331, 71.6868, 73.8274

Deuteranopia

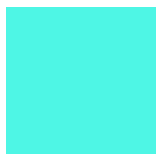
73.4478, 71.8114, 89.3468



Tritanopia

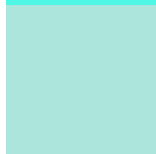
57.0820, 72.7290, 105.6373

Trichromacy



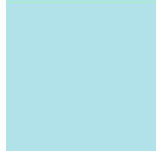
Original Color

50.2405, 73.1884, 85.6076



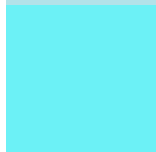
Protanomaly

57.8188, 69.9238, 77.4671



Deuteranomaly

60.2644, 69.7409, 87.3759



Tritanomaly

54.2742, 72.7526, 98.3709

Monochromacy



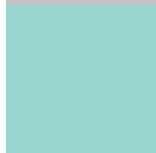
Original Color

50.2405, 73.1884, 85.6076



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.0056, 58.7689, 67.8449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2405, 73.1884, 85.6076 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(78, 246, 229)` looks like.

```
.text, #text, p{  
    color:rgb(78, 246, 229)  
}
```

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(78, 246, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 246, 229) }
```

Border

The CSS property to change the border of an element to XYZ 50.2405, 73.1884, 85.6076 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(78, 246, 229) }
```


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

```
.border{ border-color:rgb(78, 246, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 246, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 246, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 246, 229);  
box-shadow:4px 4px 4px 4px rgb(78, 246,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2405, 73.1884, 85.6076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 246, 229) }
```

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

```
.background{ background-color: rgb(78, 246,  
229) }
```

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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