

Converting Colors

XYZ(47.8924, 76.5970, 65.6884)

Have a look what the booklet for
XYZ(47.8924, 76.5970, 65.6884)
contains.

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Color

**XYZ(47.8775, 76.5893,
65.6859)**

Conversions

Conversions Part 1

Format	Color
Hex	3DFFC6
RGB	61, 255, 198
RGB Percent	24%, 100%, 78%
CMY	0.7608, 0.0000, 0.2235
CMYK	0.76, 0.00, 0.22, 0.00
HSL	162°, 100%, 62%
HSV	162°, 76%, 100%
XYZ	47.8775, 76.5893, 65.6859
YIQ	190.4960, -97.3270, -58.8550

Conversions

Conversions Part 2

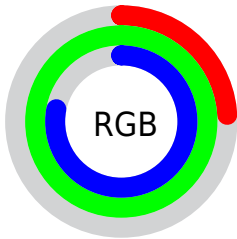
Format	Color
RYB	61, 175, 255
Decimal	4063174
CIELab	90.13, -59.63, 13.99
CIELCh	90, 61.253, 166.793
Yxy	76.5893, 0.2518, 0.4028
Android (android.graphics.Color)	4282253254 (0xFF3DFFC6)
YUV	190.4960, 3.6995, -113.5680
Hunter-Lab	87.5153, -55.4988, 16.7597

Details

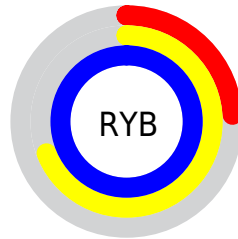
The XYZ color **47.8775, 76.5893, 65.6859** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **46.1796, 25.9065, 19.7080**, and the grayscale version is **49.2502, 51.8151, 56.4266**.

A 20% lighter version of the original color is **63.9633, 83.9742, 107.4452**, and **25.0003, 41.9461, 33.1643** is the 20% darker color. If you saturate the color by 10%, you get **45.8206, 75.6263, 61.1903**, and if you desaturate by 10%, it is **50.7240, 77.9544, 70.4443**.

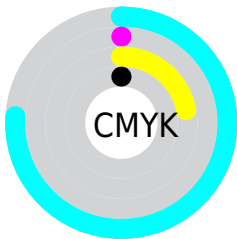
Distribution



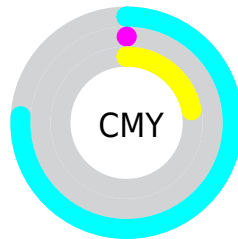
- Red (24%)
- Green (100%)
- Blue (78%)



- Red (24%)
- Yellow (69%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8775, 76.5893, 65.6859 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 47.8775, 76.5893, 65.6859 by changing the saturation by 10% instead.


 47.8775, 76.5893,
65.6859


 47.8775, 76.5893,
65.6859

368.8970,
483.3626, 463.6262


 33.9407, 56.9159,
47.5626


 86.2328, 128.5596,
114.6581

 23.0107, 40.9377,
33.1231


 111.3820,
161.6252, 146.3441

 14.7222, 28.2704,
21.9489


 140.9994,
199.9237, 183.3880

 8.7097, 18.5296,
13.6214

 175.4504,
243.8394, 226.2085

 4.6079, 11.3309,
7.7221

215.1003,
293.7567, 275.2240

 2.0515, 6.2898,
3.8324

260.3145,

 0.6626, 3.0221,

350.0601, 330.8531

1.5339

311.4583,
413.1340, 393.5143

■ 0.0000, 1.1433,
0.2430

■ 0.0000, 0.0146,
0.0000

■ 47.8775, 76.5893,
65.6859

■ 47.8775, 76.5893,
65.6859

■ 45.8206, 75.6263,
61.1903

■ 50.7240, 77.9544,
70.4443

■ 44.4344, 75.0042,
56.9447

■ 54.4517, 79.7687,
75.4690

■ 44.0061, 74.8184,
55.3432

■ 59.1419, 82.0742,
80.7681

■ 64.8656, 84.9073,
86.3479

■ 71.6870, 88.3011,
92.2145

■ 79.6650, 92.2858,
98.3734

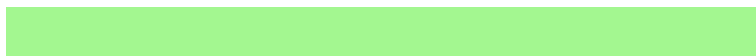
■ 88.8542, 96.8896,
104.8300

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



53.4945, 76.5893, 38.1940



47.8775, 76.5893, 65.6859



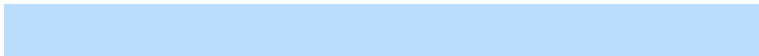
48.2366, 76.5893, 110.0040

Triad

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



47.8775, 76.5893, 65.6859



81.5753, 76.5893, 192.0041



94.7067, 76.5893, 36.0338

Complementary

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



47.8775, 76.5893, 65.6859



46.1796, 25.9065, 19.7080

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.



104.5320, 76.5893, 61.4616



47.8775, 76.5893, 65.6859



96.2574, 76.5893, 154.8708

Square

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



47.8775, 76.5893, 65.6859



66.3175, 76.5893, 194.3793



105.1361, 76.5893, 104.0260



79.6829, 76.5893, 25.5459

Rectangle

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



47.8775, 76.5893, 65.6859



51.8004, 76.5893, 144.2784



105.1361, 76.5893, 104.0260



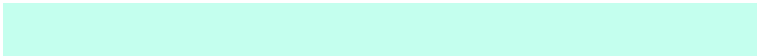
98.8130, 76.5893, 42.6191

Sweetspot

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



47.8783, 76.5897, 65.6873



74.0146, 89.4622, 94.0770



44.2386, 75.7935, 16.7141



15.2593, 18.8579, 19.6686



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.



47.8783, 76.5897, 65.6873



45.0626, 75.2817, 59.0685



44.5826, 57.4275, 103.3426



18.3140, 20.3851, 21.9567



23.0626, 39.1216, 29.2787



2.2934, 3.8283, 3.1026

Inverse Universe

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



46.1796, 25.9065, 19.7080



43.4393, 22.6284, 12.0052



46.6212, 30.6743, 7.8796



18.2289, 18.0749, 19.8226



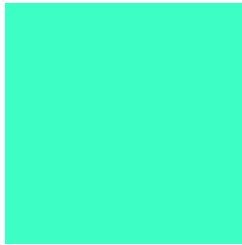
22.2673, 11.3962, 4.7922



2.2134, 1.1277, 0.7051

Previews

White Background



This preview shows how the XYZ color 47.8775, 76.5893, 65.6859 looks on a white background.

Color Contrast Check

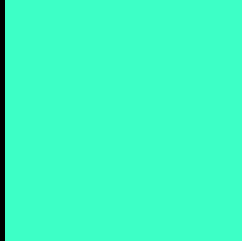
Large Text (above 18pt) WCAG AA × Fail

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 47.8775, 76.5893, 65.6859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

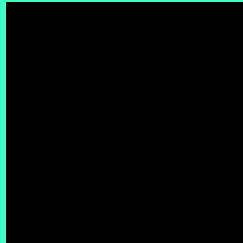
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8775, 76.5893, 65.6859

Background



This preview shows how black text looks on a background with the XYZ color 47.8775, 76.5893, 65.6859.



This preview shows how white text looks on a background with the XYZ color 47.8775, 76.5893,

65.6859.

Color Blindness Simulation

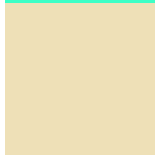
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



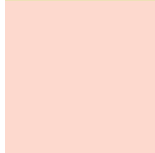
Original Color

47.8775, 76.5893, 65.6859



Protanopia

70.4628, 74.9073, 55.5445



Deuteranopia

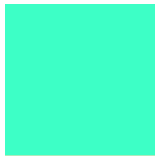
76.4614, 74.9646, 68.8322



Tritanopia

61.4228, 75.8361, 106.0082

Trichromacy



Original Color

47.8775, 76.5893, 65.6859



Protanomaly

56.2410, 72.0462, 58.5190



Deuteranomaly

58.8838, 71.5309, 67.2033



Tritanomaly

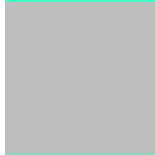
54.7061, 74.9583, 89.4270

Monochromacy



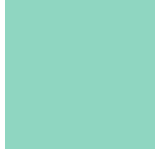
Original Color

47.8775, 76.5893, 65.6859



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.9999, 57.7830, 59.2336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8775, 76.5893, 65.6859 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(61, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(61, 255, 198)  
}
```

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(61, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 47.8775, 76.5893, 65.6859 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(61, 255, 198) }
```


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

```
.border{ border-color:rgb(61, 255, 198) }
```

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

Here you see how a box with a 4 pixel rgb(61, 255, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8775, 76.5893, 65.6859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 198) }
```

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

```
.background{ background-color: rgb(61, 255,  
198) }
```

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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