

Converting Colors

XYZ(55.1905, 87.0451, 68.5155)

Have a look what the booklet for
XYZ(55.1905, 87.0451, 68.5155)
contains.

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Color

**XYZ(50.6995, 78.0173,
67.0303)**

Conversions

Conversions Part 1

Format	Color
Hex	5DFFC8
RGB	93, 255, 200
RGB Percent	36%, 100%, 78%
CMY	0.6353, 0.0000, 0.2157
CMYK	0.64, 0.00, 0.22, 0.00
HSL	160°, 100%, 68%
HSV	160°, 64%, 100%
XYZ	50.6995, 78.0173, 67.0303
YIQ	200.2920, -78.8970, -51.4490

Conversions

Conversions Part 2

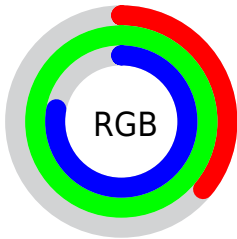
Format	Color
RYB	93, 191, 255
Decimal	6160328
CIELab	90.79, -54.79, 13.98
CIELCh	91, 56.547, 165.687
Yxy	78.0173, 0.2590, 0.3986
Android (android.graphics.Color)	4284350408 (0xFF5DFFC8)
YUV	200.2920, -0.1440, -94.0951
Hunter-Lab	88.3274, -52.1148, 16.8349

Details

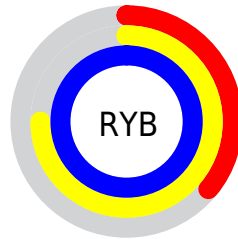
The XYZ color **50.6995, 78.0173, 67.0303** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **50.5002, 31.2277, 31.3839**, and the grayscale version is **55.1157, 57.9860, 63.1468**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **25.1546, 42.0078, 33.9767** is the 20% darker color. If you saturate the color by 10%, you get **47.5515, 76.5080, 61.7507**, and if you desaturate by 10%, it is **54.7664, 79.9936, 72.6546**.

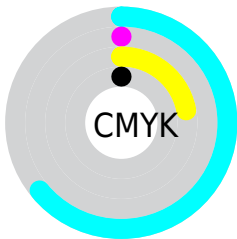
Distribution



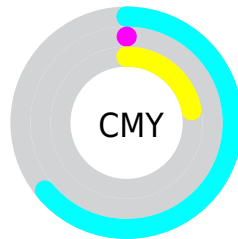
- Red (36%)
- Green (100%)
- Blue (78%)



- Red (36%)
- Yellow (75%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6995, 78.0173, 67.0303 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 50.6995, 78.0173, 67.0303 by changing the saturation by 10% instead.

 50.6995, 78.0173,
67.0303


 50.6995, 78.0173,
67.0303


379.8021,
488.2256, 468.5570


 36.1896, 58.0882,
48.6475


 90.3961, 130.5745,
116.6049


 24.7514, 41.8796,
33.9763


 116.3134,
163.9714, 148.6338

 16.0197, 29.0070,
22.5982


 146.7640,
202.6263, 186.0484

 9.6290, 19.0861,
14.0946

 182.1131,
246.9237, 229.2673

 5.2141, 11.7325,
8.0470

222.7261,
297.2479, 278.7091

 2.4094, 6.5618,
4.0368

268.9683,

 0.8498, 3.1896,

353.9834, 334.7923

1.6456

321.2052,
417.5145, 397.9355

0.0000, 1.2315,
0.3230

0.0000, 0.0872,
0.0000

50.6995, 78.0173,
67.0303

50.6995, 78.0173,
67.0303

47.5515, 76.5080,
61.7507

54.7664, 79.9936,
72.6546

45.2298, 75.4182,
56.8028

59.8280, 82.4760,
78.6281

43.6253, 74.6918,
52.1775

65.9546, 85.5005,
84.9600

42.8677, 74.3631,
49.3488

73.2090, 89.0996,
91.6578

81.6495, 93.3030,
98.7287

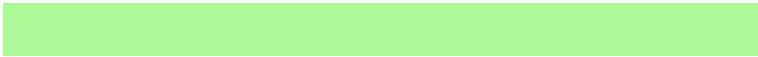
91.3298, 98.1385,
106.1797

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.



56.2668, 78.0173, 41.1631



50.6995, 78.0173, 67.0303



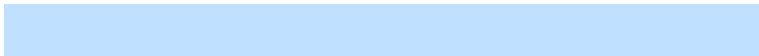
50.8313, 78.0173, 107.9160

Triad

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



50.6995, 78.0173, 67.0303



81.7906, 78.0173, 184.7770



94.9298, 78.0173, 40.3496

Complementary

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



50.6995, 78.0173, 67.0303



50.5002, 31.2277, 31.3839

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.



103.6987, 78.0173, 65.4938



50.6995, 78.0173, 67.0303



95.4773, 78.0173, 152.1935

Square

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



50.6995, 78.0173, 67.0303



67.6000, 78.0173, 185.5939



103.9110, 78.0173, 105.8031



81.1166, 78.0173, 29.4390

Rectangle

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



50.6995, 78.0173, 67.0303



54.0973, 78.0173, 139.2748



103.9110, 78.0173, 105.8031



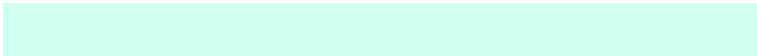
98.6386, 78.0173, 46.9809

Sweetspot

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



50.7002, 78.0176, 67.0316



76.8803, 90.9262, 94.8126



50.2591, 78.7663, 22.9115



15.9530, 19.2118, 19.8653



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.



50.7002, 78.0176, 67.0316



46.9043, 76.2015, 60.4968



51.0569, 66.5318, 104.7587



18.2774, 20.3705, 21.7638



22.4720, 38.8854, 26.1684



2.2392, 3.8066, 2.8172

Inverse Universe

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



50.5002, 31.2277, 31.3839



46.7499, 26.1511, 22.6608



49.6127, 34.8439, 14.4677



18.2638, 18.0888, 20.0064



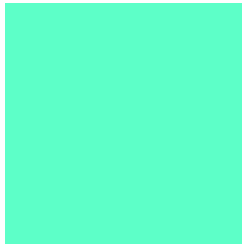
22.5009, 11.4896, 6.0222



2.2395, 1.1382, 0.8428

Previews

White Background



This preview shows how the XYZ color 50.6995, 78.0173, 67.0303 looks on a white background.

Color Contrast Check

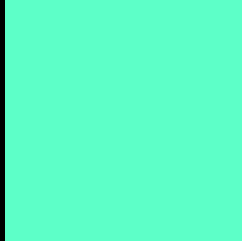
Large Text (above 18pt) WCAG AA × Fail

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 50.6995, 78.0173, 67.0303 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

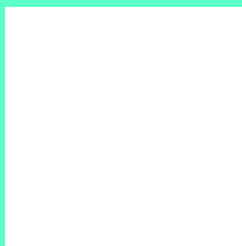
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6995, 78.0173, 67.0303

Background



This preview shows how black text looks on a background with the XYZ color 50.6995, 78.0173, 67.0303.

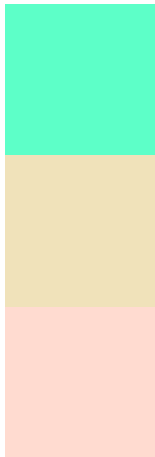


This preview shows how white text looks on a background with the XYZ color 50.6995, 78.0173,

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

50.6995, 78.0173, 67.0303

Protanopia

71.9945, 76.4631, 57.4187

Deuteranopia

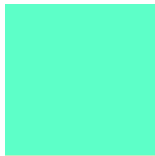
77.9567, 76.4771, 70.3273



Tritanopia

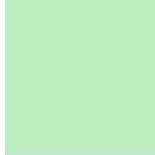
63.7073, 77.0138, 106.1152

Trichromacy



Original Color

50.6995, 78.0173, 67.0303



Protanomaly

60.1817, 74.8948, 60.5744



Deuteranomaly

62.6410, 73.8568, 68.7119



Tritanomaly

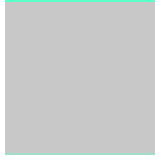
57.8011, 76.5372, 90.3240

Monochromacy



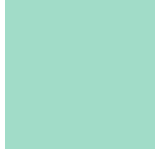
Original Color

50.6995, 78.0173, 67.0303



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

50.7165, 62.9336, 64.1179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6995, 78.0173, 67.0303 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(93, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 200)  
}
```

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(93, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 50.6995, 78.0173, 67.0303 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(93, 255, 200) }
```


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

```
.border{ border-color:rgb(93, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6995, 78.0173, 67.0303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 200) }
```

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

```
.background{ background-color: rgb(93, 255,  
200) }
```

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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