

Converting Colors

XYZ(37.9021, 54.7447, 56.8235)

Have a look what the booklet for
XYZ(37.9021, 54.7447, 56.8235)
contains.

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Color

**XYZ(37.9576, 54.9595,
56.7518)**

Conversions

Conversions Part 1

Format	Color
Hex	5AD8BD
RGB	90, 216, 189
RGB Percent	35%, 85%, 74%
CMY	0.6470, 0.1529, 0.2588
CMYK	0.58, 0.00, 0.13, 0.15
HSL	167°, 62%, 60%
HSV	167°, 58%, 85%
XYZ	37.9576, 54.9595, 56.7518
YIQ	175.2480, -66.4290, -35.1090

Conversions

Conversions Part 2

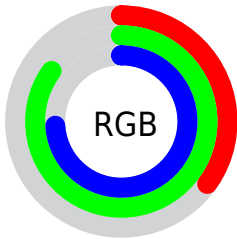
Format	Color
RYB	90, 161, 216
Decimal	5953725
CIELab	79.02, -41.35, 2.87
CIElCh	79, 41.454, 176.031
Yxy	54.9595, 0.2536, 0.3672
Android (android.graphics.Color)	4284143805 (0xFF5AD8BD)
YUV	175.2480, 6.7797, -74.7625
Hunter-Lab	74.1347, -38.3421, 6.5064

Details

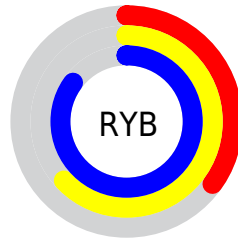
The XYZ color **37.9576, 54.9595, 56.7518** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **35.1878, 23.1970, 19.4544**, and the grayscale version is **40.8680, 42.9963, 46.8230**.

A 20% lighter version of the original color is **64.8191, 84.5966, 99.2987**, and **17.0147, 26.9192, 27.5917** is the 20% darker color. If you saturate the color by 10%, you get **35.6598, 53.8334, 54.0639**, and if you desaturate by 10%, it is **40.8849, 56.4109, 59.5553**.

Distribution



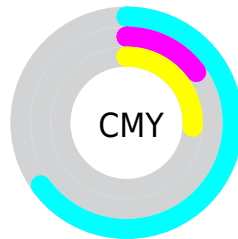
- Red (35%)
- Green (85%)
- Blue (74%)



- Red (35%)
- Yellow (63%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (13%)
- Black (15%)




- Cyan (65%)
- Magenta (15%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9576, 54.9595, 56.7518 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 37.9576, 54.9595, 56.7518 by changing the saturation by 10% instead.


 37.9576, 54.9595,
56.7518


 37.9576, 54.9595,
56.7518


328.7221,
405.7584, 429.9863


 26.1268, 39.3693,
40.3980


 71.3475, 97.4816,
101.5997


 17.0517, 27.0471,
27.5328


 93.6373, 125.1823,
130.9308

 10.3669, 17.6086,
17.7378

 120.1442,
157.6886, 165.4248

 5.7070, 10.6694,
10.5944

 151.2335,
195.3850, 205.5001

 2.7067, 5.8450,
5.6841

187.2706,
238.6557, 251.5754

 1.0006, 2.7510,
2.5883

228.6208,

 0.0000, 1.0032,

287.8853, 304.0692

0.8864

275.6495,
343.4580, 363.4000

■ 0.0000, 0.0000,
0.0000

■ 37.9576, 54.9595,
56.7518

■ 37.9576, 54.9595,
56.7518

■ 35.6598, 53.8334,
54.0639

■ 40.8849, 56.4109,
59.5553

■ 33.9322, 52.9981,
51.4845

■ 44.4851, 58.2060,
62.4736

■ 32.7119, 52.4225,
49.0110

■ 48.8033, 60.3694,
65.5107

■ 31.9036, 52.0575,
46.6382

■ 53.8791, 62.9214,
68.6692

■ 31.7854, 52.0050,
46.2510

■ 59.7493, 65.8811,
71.9516

■ 66.4483, 69.2660,
75.3603

■ 74.0082, 73.0928,
78.8973

■ 79.5289, 75.8664,
82.4278

■ 80.1730, 76.1241,
85.8196

Harmonies

Analogous

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



40.1559, 54.9595, 37.8789



37.9576, 54.9595, 56.7518



39.2416, 54.9595, 82.0731

Triad

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



37.9576, 54.9595, 56.7518



59.5121, 54.9595, 110.6449



61.6108, 54.9595, 29.5204

Complementary

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



37.9576, 54.9595, 56.7518



35.1878, 23.1970, 19.4544

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.



67.8257, 54.9595, 42.0376



37.9576, 54.9595, 56.7518



66.5273, 54.9595, 88.9816

Square

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



37.9576, 54.9595, 56.7518



51.1471, 54.9595, 117.5620



69.7127, 54.9595, 63.0415



53.3430, 54.9595, 25.0007

Rectangle

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



37.9576, 54.9595, 56.7518



41.9807, 54.9595, 98.8516



69.7127, 54.9595, 63.0415



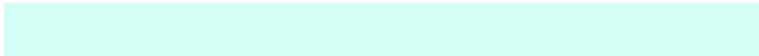
64.0418, 54.9595, 32.7399

Sweetspot

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



37.9592, 54.9617, 56.7531



79.4006, 92.1011, 100.5480



33.7795, 53.6549, 18.2499



16.6486, 19.5390, 21.3178



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.



37.9592, 54.9617, 56.7531



51.2719, 78.0737, 77.8407



32.9947, 39.8973, 70.9301



12.6729, 14.0602, 15.3580



18.8542, 30.7970, 27.5915



1.1663, 1.8692, 1.8172

Inverse Universe

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



35.1878, 23.1970, 19.4544



46.9393, 27.7302, 19.0237



37.5887, 30.1839, 13.5188



12.5311, 12.4639, 13.4709



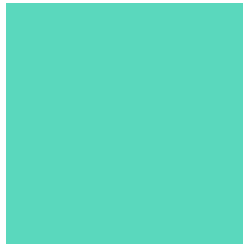
17.0898, 8.7722, 2.5111



1.0619, 0.5415, 0.3153

Previews

White Background



This preview shows how the XYZ color 37.9576, 54.9595, 56.7518 looks on a white background.

Color Contrast Check

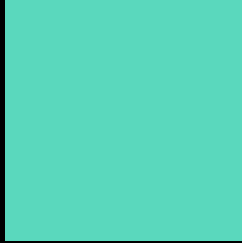
Large Text (above 18pt) WCAG AA × Fail

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 37.9576, 54.9595, 56.7518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

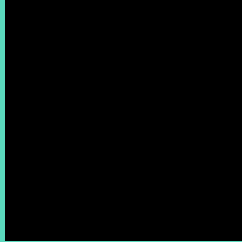
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

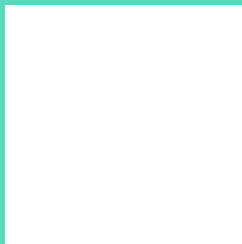
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9576, 54.9595, 56.7518

Background



This preview shows how black text looks on a background with the XYZ color 37.9576, 54.9595, 56.7518.



This preview shows how white text looks on a background with the XYZ color 37.9576, 54.9595,

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

37.9576, 54.9595, 56.7518

Protanopia

51.5847, 54.3145, 49.3599

Deuteranopia

54.9849, 53.9036, 59.1362



Tritanopia

42.7591, 54.6377, 81.6913

Trichromacy



Original Color

37.9576, 54.9595, 56.7518



Protanomaly

44.1590, 53.1543, 51.6484



Deuteranomaly

45.9682, 52.5633, 58.1750



Tritanomaly

40.8267, 54.5947, 72.0044

Monochromacy



Original Color

37.9576, 54.9595, 56.7518



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.1533, 46.0515, 50.0580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9576, 54.9595, 56.7518 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(90, 216, 189)` looks like.

```
.text, #text, p{  
    color:rgb(90, 216, 189)  
}
```

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(90, 216, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 216, 189) }
```

Border

The CSS property to change the border of an element to XYZ 37.9576, 54.9595, 56.7518 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(90, 216, 189) }
```


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

```
.border{ border-color:rgb(90, 216, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 216, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 216, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 216, 189);  
box-shadow:4px 4px 4px 4px rgb(90, 216,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9576, 54.9595, 56.7518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 216, 189) }
```

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

```
.background{ background-color: rgb(90, 216,  
189) }
```

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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