

Converting Colors

XYZ(40.1659, 54.3484, 72.1256)

Have a look what the booklet for
XYZ(40.1659, 54.3484, 72.1256)
contains.

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Color

**XYZ(40.0947, 54.2173,
71.9701)**

Conversions

Conversions Part 1

Format	Color
Hex	5CD4D6
RGB	92, 212, 214
RGB Percent	36%, 83%, 84%
CMY	0.6392, 0.1686, 0.1608
CMYK	0.57, 0.01, 0.00, 0.16
HSL	181°, 60%, 60%
HSV	181°, 57%, 84%
XYZ	40.0947, 54.2173, 71.9701
YIQ	176.3480, -72.1620, -24.8180

Conversions

Conversions Part 2

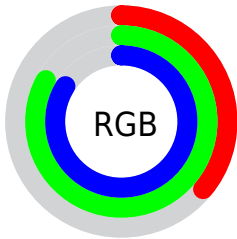
Format	Color
R_{YB}	92, 152, 214
Decimal	6083798
CIE Lab	78.59, -32.72, -11.14
CIE LCh	79, 34.561, 198.795
Yxy	54.2173, 0.2411, 0.3261
Android (android.graphics.Color)	4284273878 (0xFF5CD4D6)
YUV	176.3480, 18.5624, -73.9732
Hunter-Lab	73.6324, -31.6589, -6.4088

Details

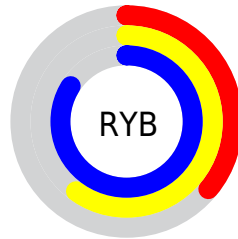
The XYZ color **40.0947, 54.2173, 71.9701** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.6671, 23.0753, 12.8061**, and the grayscale version is **41.3831, 43.5382, 47.4132**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **18.3150, 26.6171, 36.9732** is the 20% darker color. If you saturate the color by 10%, you get **38.1643, 53.0934, 71.8559**, and if you desaturate by 10%, it is **42.6322, 55.6569, 72.1152**.

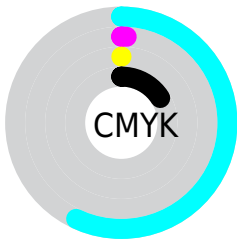
Distribution



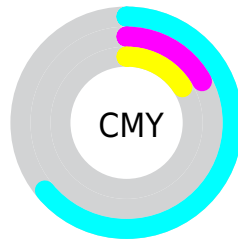
- Red (36%)
- Green (83%)
- Blue (84%)



- Red (36%)
- Yellow (60%)
- Blue (84%)



- Cyan (57%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)





- Cyan (64%)
- Magenta (17%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0947, 54.2173, 71.9701 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 40.0947, 54.2173, 71.9701 by changing the saturation by 10% instead.


 40.0947, 54.2173,
71.9701


 40.0947, 54.2173,
71.9701

337.6501,
402.9381, 486.4123


 27.7969, 38.7754,
52.6476


 74.5911, 96.3932,
123.7213


 18.3123, 26.5851,
37.1357


 97.5205, 123.8961,
156.9871

 11.2755, 17.2618,
25.0160


 124.7244,
156.1880, 195.7378

 6.3211, 10.4214,
15.8698

 156.5683,
193.6534, 240.3918

 3.0838, 5.6792,
9.2787

193.4174,
236.6768, 291.3677

 1.1982, 2.6510,
4.8241

235.6372,

 0.1050, 0.9524,

285.6424, 349.0840

2.0875

283.5930,
340.9347, 413.9594

■ 0.0000, 0.0000,
0.6083

■ 0.0000, 0.0000,
0.0000

■ 40.0947, 54.2173,
71.9701

■ 40.0947, 54.2173,
71.9701

■ 38.1643, 53.0934,
71.8559

■ 42.6322, 55.6569,
72.1152

■ 36.7838, 52.2521,
71.7663

■ 45.8183, 57.4299,
72.2895

■ 35.8937, 51.6639,
71.6996

■ 49.6961, 59.5597,
72.4962

■ 35.4133, 51.2871,
71.6522

■ 54.3041, 62.0663,
72.7372

■ 35.3071, 51.1938,
71.6398

■ 59.6776, 64.9678,
73.0140

■ 65.8498, 68.2813,
73.3283

■ 72.8519, 72.0229,
73.6814

■ 77.6292, 74.6179,
73.9305

■ 77.7184, 74.7964,
73.9603

Harmonies

Analogous

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



39.7161, 54.2173, 52.0366



40.0947, 54.2173, 71.9701



43.3721, 54.2173, 92.0123

Triad

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



40.0947, 54.2173, 71.9701



62.0338, 54.2173, 87.3697



54.1206, 54.2173, 29.3403

Complementary

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



40.0947, 54.2173, 71.9701



33.6671, 23.0753, 12.8061

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.



60.6559, 54.2173, 35.0590



40.0947, 54.2173, 71.9701



65.4857, 54.2173, 66.6309

Square

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



40.0947, 54.2173, 71.9701



55.8705, 54.2173, 102.1687



64.9603, 54.2173, 47.7480



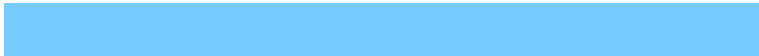
47.4239, 54.2173, 30.1546

Rectangle

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



40.0947, 54.2173, 71.9701



46.9357, 54.2173, 101.3925



64.9603, 54.2173, 47.7480



56.4188, 54.2173, 30.5008

Sweetspot

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



40.0963, 54.2194, 71.9714



80.6345, 92.2329, 108.1606



30.3932, 51.1423, 18.3962



16.9429, 19.5702, 23.1344



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.



40.0963, 54.2194, 71.9714



56.3556, 78.7173, 106.8314



27.9439, 29.9144, 67.9206



12.7740, 14.0713, 15.9803



21.3486, 30.9589, 43.3036



1.2933, 1.8787, 2.6138

Inverse Universe

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



43.4437, 26.7053, 65.1545



61.8233, 34.2729, 95.5853



41.0558, 37.8529, 15.2690



12.9439, 12.6290, 15.6446



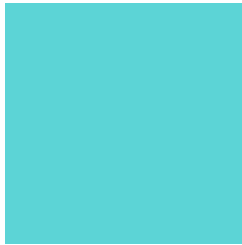
23.8346, 11.4702, 38.0288



1.4405, 0.6930, 2.3089

Previews

White Background



This preview shows how the XYZ color 40.0947, 54.2173, 71.9701 looks on a white background.

Color Contrast Check

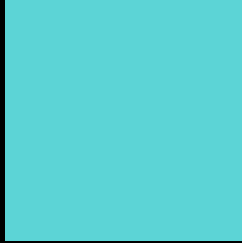
Large Text (above 18pt) WCAG AA × Fail

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 40.0947, 54.2173, 71.9701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

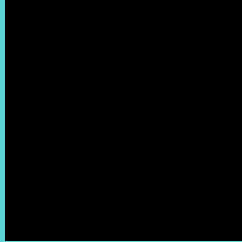
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

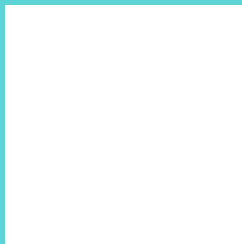
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0947, 54.2173, 71.9701

Background



This preview shows how black text looks on a background with the XYZ color 40.0947, 54.2173, 71.9701.

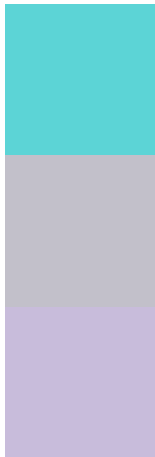


This preview shows how white text looks on a background with the XYZ color 40.0947, 54.2173,

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

40.0947, 54.2173, 71.9701

Protanopia

51.7584, 53.4329, 63.4627

Deuteranopia

54.5888, 53.3603, 74.4403



Tritanopia

41.8415, 54.1806, 80.9257

Trichromacy



Original Color

40.0947, 54.2173, 71.9701



Protanomaly

45.4686, 52.4712, 66.1240



Deuteranomaly

47.1886, 52.5193, 73.2958



Tritanomaly

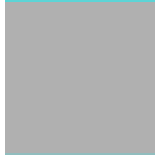
41.1984, 54.2954, 77.4159

Monochromacy



Original Color

40.0947, 54.2173, 71.9701



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.1689, 46.1326, 55.5553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0947, 54.2173, 71.9701 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(92, 212, 214)` looks like.

```
.text, #text, p{  
    color:rgb(92, 212, 214)  
}
```

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(92, 212, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 212, 214) }
```

Border

The CSS property to change the border of an element to XYZ 40.0947, 54.2173, 71.9701 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(92, 212, 214) }
```


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

```
.border{ border-color:rgb(92, 212, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 212, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 212, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 212, 214);  
box-shadow:4px 4px 4px 4px rgb(92, 212,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0947, 54.2173, 71.9701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 212, 214) }
```

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

```
.background{ background-color: rgb(92, 212,  
214) }
```

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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