

Converting Colors

XYZ(40.0708, 55.0195, 72.2612)

Have a look what the booklet for
XYZ(40.0708, 55.0195, 72.2612)
contains.

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Color

**XYZ(40.0219, 54.9266,
72.1108)**

Conversions

Conversions Part 1

Format	Color
Hex	56D6D6
RGB	86, 214, 214
RGB Percent	34%, 84%, 84%
CMY	0.6627, 0.1608, 0.1608
CMYK	0.60, 0.00, 0.00, 0.16
HSL	180°, 61%, 59%
HSV	180°, 60%, 84%
XYZ	40.0219, 54.9266, 72.1108
YIQ	175.7280, -76.2880, -27.1360

Conversions

Conversions Part 2

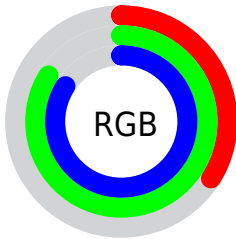
Format	Color
RYB	86, 150, 214
Decimal	5691094
CIELab	79.00, -34.72, -10.54
CIELCh	79, 36.280, 196.890
Yxy	54.9266, 0.2396, 0.3288
Android (android.graphics.Color)	4283881174 (0xFF56D6D6)
YUV	175.7280, 18.8681, -78.6915
Hunter-Lab	74.1125, -33.3041, -5.8099

Details

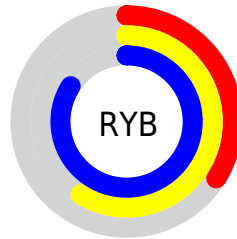
The XYZ color **40.0219, 54.9266, 72.1108** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.7409, 21.6253, 11.2544**, and the grayscale version is **41.0603, 43.1986, 47.0433**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **18.6561, 27.2995, 37.0869** is the 20% darker color. If you saturate the color by 10%, you get **38.3391, 54.0604, 72.0331**, and if you desaturate by 10%, it is **42.2977, 56.1010, 72.2188**.

Distribution



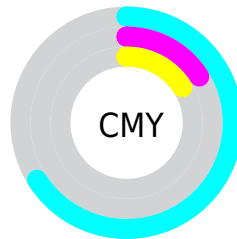
- Red (34%)
- Green (84%)
- Blue (84%)



- Red (34%)
- Yellow (59%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)





- Cyan (66%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0219, 54.9266, 72.1108 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 40.0219, 54.9266, 72.1108 by changing the saturation by 10% instead.


 40.0219, 54.9266,
72.1108


 40.0219, 54.9266,
72.1108


337.3487,
405.6336, 486.9151


 27.7399, 39.3430,
52.7618


 74.4810, 97.4334,
123.9232

 18.2691, 27.0266,
37.2262


 97.3888, 125.1254,
157.2237

 11.2442, 17.5932,
25.0855


 124.5692,
157.6222, 196.0118

 6.2999, 10.6583,
15.9212

 156.3877,
195.3083, 240.7061

 3.0706, 5.8376,
9.3147

193.2095,
238.5682, 291.7250

 1.1912, 2.7466,
4.8474

235.4001,

 0.0994, 1.0009,

287.7860, 349.4871

2.1008

283.3247,
343.3464, 414.4109

■ 0.0000, 0.0000,
0.6163

■ 0.0000, 0.0000,
0.0000

■ 40.0219, 54.9266,
72.1108

■ 40.0219, 54.9266,
72.1108

■ 38.3391, 54.0604,
72.0331

■ 42.2977, 56.1010,
72.2188

■ 37.1900, 53.4680,
71.9791


■ 45.2093, 57.6020,
72.3552


■ 36.5117, 53.1183,
71.9471


■ 48.8012, 59.4537,
72.5235


■ 36.1901, 52.9525,
71.9318


■ 53.1127, 61.6764,
72.7255


 36.1850, 52.9499,
71.9316

 58.1798, 64.2886,
72.9629

 64.0364, 67.3077,
73.2372

 70.7141, 70.7502,
73.5499

 77.4255, 74.2101,
73.8642

 77.4256, 74.2101,
73.8645

Harmonies

Analogous

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



39.8238, 54.9266, 51.2366



40.0219, 54.9266, 72.1108



43.2853, 54.9266, 93.7631

Triad

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



40.0219, 54.9266, 72.1108



63.0060, 54.9266, 91.2842



55.4174, 54.9266, 28.8495

Complementary

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



40.0219, 54.9266, 72.1108



32.7409, 21.6253, 11.2544

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.



62.2753, 54.9266, 35.2315



40.0219, 54.9266, 72.1108



66.9208, 54.9266, 69.2807

Square

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



40.0219, 54.9266, 72.1108



56.3423, 54.9266, 106.4625



66.6417, 54.9266, 48.9867



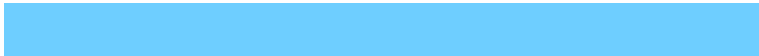
48.2774, 54.9266, 29.2688

Rectangle

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



40.0219, 54.9266, 72.1108



46.9467, 54.9266, 104.3106



66.6417, 54.9266, 48.9867



57.8443, 54.9266, 30.1944

Sweetspot

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



40.0235, 54.9287, 72.1121



80.1327, 92.3099, 108.2013



29.7651, 50.8484, 17.0514



16.7124, 19.5317, 23.1389



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.



40.0235, 54.9287, 72.1121



56.4375, 80.0946, 107.0906



27.2271, 29.3353, 67.8478



12.7922, 14.1079, 15.9863



21.8707, 32.0036, 43.4765



1.3191, 1.9303, 2.6223

Inverse Universe

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



32.7409, 21.6253, 11.2544



44.6691, 26.2776, 8.7470



39.9823, 36.1082, 13.6678



12.4233, 12.4208, 12.9034



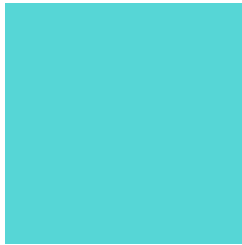
16.7619, 8.6411, 0.7845



1.0110, 0.5212, 0.0473

Previews

White Background



This preview shows how the XYZ color 40.0219, 54.9266, 72.1108 looks on a white background.

Color Contrast Check

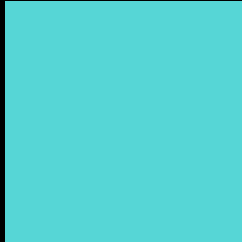
Large Text (above 18pt) WCAG AA × Fail

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 40.0219, 54.9266, 72.1108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

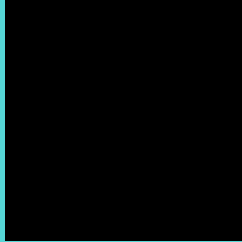
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

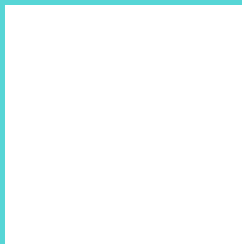
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0219, 54.9266, 72.1108

Background



This preview shows how black text looks on a background with the XYZ color 40.0219, 54.9266, 72.1108.

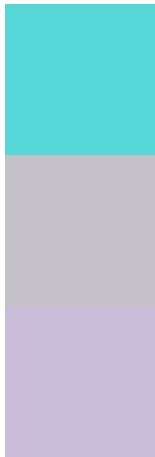


This preview shows how white text looks on a background with the XYZ color 40.0219, 54.9266,

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

40.0219, 54.9266, 72.1108

Protanopia

52.3775, 54.0927, 62.9387

Deuteranopia

55.0712, 53.9272, 74.5243



Tritanopia

42.1000, 55.0194, 82.5296

Trichromacy



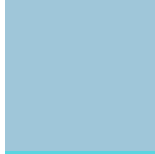
Original Color

40.0219, 54.9266, 72.1108



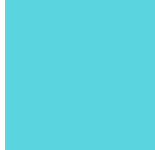
Protanomaly

45.7375, 53.2974, 66.2693



Deuteranomaly

47.0165, 52.7688, 73.3530



Tritanomaly

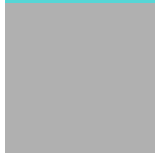
41.4652, 55.1440, 78.9794

Monochromacy



Original Color

40.0219, 54.9266, 72.1108



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.0354, 46.3843, 55.6109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0219, 54.9266, 72.1108 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(86, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(86, 214, 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(86, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 214, 214) }
```

Border

The CSS property to change the border of an element to XYZ 40.0219, 54.9266, 72.1108 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(86, 214, 214) }
```


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

```
.border{ border-color:rgb(86, 214, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 214, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(86, 214,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0219, 54.9266, 72.1108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 214, 214) }
```

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

```
.background{ background-color: rgb(86, 214,  
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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