

Converting Colors

XYZ(40.2213, 54.6188, 74.3612)

Have a look what the booklet for
XYZ(40.2213, 54.6188, 74.3612)
contains.

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Color

**XYZ(40.1564, 54.5767,
74.0635)**

Conversions

Conversions Part 1

Format	Color
Hex	56D5D9
RGB	86, 213, 217
RGB Percent	34%, 84%, 85%
CMY	0.6627, 0.1647, 0.1490
CMYK	0.60, 0.02, 0.00, 0.15
HSL	182°, 63%, 59%
HSV	182°, 60%, 85%
XYZ	40.1564, 54.5767, 74.0635
YIQ	175.4830, -76.9760, -25.6800

Conversions

Conversions Part 2

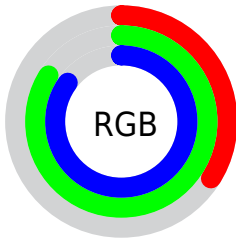
Format	Color
RYB	86, 150, 217
Decimal	5690841
CIELab	78.80, -33.42, -12.45
CIElCh	79, 35.668, 200.427
Yxy	54.5767, 0.2379, 0.3233
Android (android.graphics.Color)	4283880921 (0xFF56D5D9)
YUV	175.4830, 20.4679, -78.4766
Hunter-Lab	73.8760, -32.2568, -7.7272

Details

The XYZ color **40.1564, 54.5767, 74.0635** 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 **33.9523, 22.7371, 11.4048**, and the grayscale version is **40.9253, 43.0567, 46.8887**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **18.7484, 27.0624, 38.4178** is the 20% darker color. If you saturate the color by 10%, you get **38.2878, 53.3678, 73.9296**, and if you desaturate by 10%, it is **42.6354, 56.1037, 74.2286**.

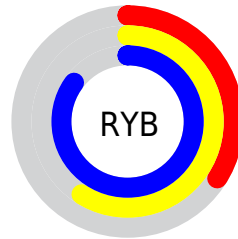
Distribution



Red (34%)

Green (84%)

Blue (85%)



Red (34%)

Yellow (59%)

Blue (85%)

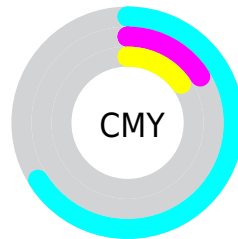


Cyan (60%)

Magenta (2%)

Yellow (0%)

Black (15%)



Cyan (66%)

Magenta (16%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1564, 54.5767, 74.0635 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 40.1564, 54.5767, 74.0635 by changing the saturation by 10% instead.

40.1564, 54.5767,
74.0635

40.1564, 54.5767,
74.0635

337.9055,
404.3053, 493.8618

27.8453, 39.0629,
54.3489

74.6844, 96.9205,
126.7207

18.3489, 26.8087,
38.4856

97.6321, 124.5193,
160.5004

11.3020, 17.4296,
26.0550

124.8559,
156.9152, 199.8055

6.3391, 10.5412,
16.6387

156.7212,
194.4926, 245.0546

3.0950, 5.7593,
9.8180

193.5935,
237.6359, 296.6663

1.2042, 2.6993,
5.1744

235.8381,

0.1097, 0.9768,

286.7296, 355.0590

2.2894

283.8203,
342.1579, 420.6513

■ 0.0000, 0.0000,
0.7253

■ 0.0000, 0.0000,
0.0000

■ 40.1564, 54.5767,
74.0635

■ 40.1564, 54.5767,
74.0635

■ 38.2878, 53.3678,
73.9296

■ 42.6354, 56.1037,
74.2286

■ 36.9677, 52.4414,
73.8204

■ 45.7695, 57.9682,
74.4233

■ 36.1302, 51.7649,
73.7340

■ 49.6050, 60.1953,
74.6510

■ 35.6647, 51.2900,
73.6668

■ 54.1826, 62.8060,
74.9136

■ 59.5399, 65.8197,
75.2130

■ 65.7119, 69.2544,
75.5506

■ 72.7316, 73.1271,
75.9282

■ 78.9143, 76.5693,
76.2667

■ 79.0867, 76.9141,
76.3242

Harmonies

Analogous

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



39.5983, 54.5767, 53.1869



40.1564, 54.5767, 74.0635



43.6919, 54.5767, 94.7401

Triad

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



40.1564, 54.5767, 74.0635



63.0649, 54.5767, 87.8144



54.1655, 54.5767, 28.7252

Complementary

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



40.1564, 54.5767, 74.0635



33.9523, 22.7371, 11.4048

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.



61.0177, 54.5767, 34.1982



40.1564, 54.5767, 74.0635



66.4547, 54.5767, 66.1322

Square

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



40.1564, 54.5767, 74.0635



56.7606, 54.5767, 103.8468



65.6733, 54.5767, 46.8544



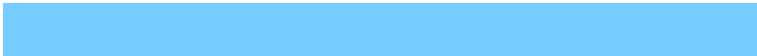
47.2753, 54.5767, 29.9144

Rectangle

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



40.1564, 54.5767, 74.0635



47.4545, 54.5767, 104.1349



65.6733, 54.5767, 46.8544



56.5587, 54.5767, 29.7890

Sweetspot

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



40.1581, 54.5788, 74.0648



79.6875, 91.4193, 108.0535



30.4210, 52.3129, 17.7680



16.6018, 19.3104, 23.1022



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.



40.1581, 54.5788, 74.0648



54.6763, 76.5714, 106.5058



27.1613, 28.5852, 69.7325



13.4090, 14.7578, 16.7939



21.6041, 31.0777, 44.5983



1.4106, 2.0352, 2.8929

Inverse Universe

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



43.9547, 26.2129, 65.6959



60.6796, 32.6818, 93.0571



41.7998, 38.4321, 14.0206



13.5963, 13.2676, 16.4015



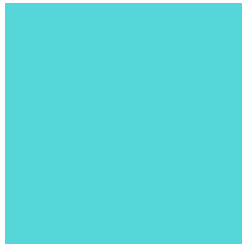
24.4001, 11.7611, 38.0825



1.5863, 0.7641, 2.4962

Previews

White Background



This preview shows how the XYZ color 40.1564, 54.5767, 74.0635 looks on a white background.

Color Contrast Check

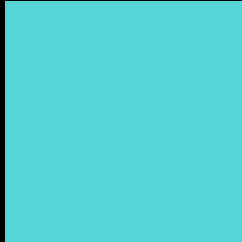
Large Text (above 18pt) WCAG AA × Fail

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 40.1564, 54.5767, 74.0635 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

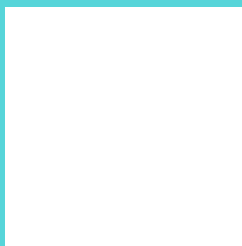
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1564, 54.5767, 74.0635

Background



This preview shows how black text looks on a background with the XYZ color 40.1564, 54.5767, 74.0635.

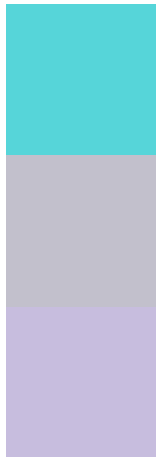


This preview shows how white text looks on a background with the XYZ color 40.1564, 54.5767,

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

40.1564, 54.5767, 74.0635

Protanopia

51.9969, 53.5282, 64.7182

Deuteranopia

54.9356, 53.8112, 76.5984



Tritanopia

41.6122, 54.4141, 81.7086

Trichromacy



Original Color

40.1564, 54.5767, 74.0635



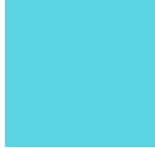
Protanomaly

45.6805, 52.8806, 68.1210



Deuteranomaly

47.2129, 52.8246, 75.4179



Tritanomaly

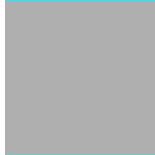
41.1179, 54.5926, 78.8913

Monochromacy



Original Color

40.1564, 54.5767, 74.0635



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.8196, 45.9525, 55.5389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1564, 54.5767, 74.0635 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, 213, 217)` looks like.

```
.text, #text, p{  
    color:rgb(86, 213, 217)  
}
```

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, 213, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 213, 217) }
```

Border

The CSS property to change the border of an element to XYZ 40.1564, 54.5767, 74.0635 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, 213, 217) }
```


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

```
.border{ border-color:rgb(86, 213, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 213, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 213, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 213, 217);  
box-shadow:4px 4px 4px 4px rgb(86, 213,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1564, 54.5767, 74.0635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 213, 217) }
```

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

```
.background{ background-color: rgb(86, 213,  
217) }
```

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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