

Converting Colors

XYZ(40.1316, 55.0278, 66.9375)

Have a look what the booklet for
XYZ(40.1316, 55.0278, 66.9375)
contains.

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Color

**XYZ(40.2241, 55.1460,
66.9167)**

Conversions

Conversions Part 1

Format	Color
Hex	62D6CE
RGB	98, 214, 206
RGB Percent	38%, 84%, 81%
CMY	0.6157, 0.1608, 0.1922
CMYK	0.54, 0.00, 0.04, 0.16
HSL	176°, 59%, 61%
HSV	176°, 54%, 84%
XYZ	40.2241, 55.1460, 66.9167
YIQ	178.4040, -66.5680, -27.0800

Conversions

Conversions Part 2

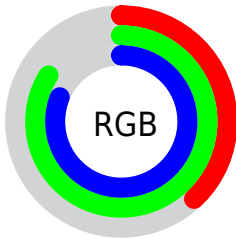
Format	Color
RYB	98, 158, 214
Decimal	6477518
CIELab	79.13, -34.63, -6.03
CIELCh	79, 35.151, 189.881
Yxy	55.1460, 0.2479, 0.3398
Android (android.graphics.Color)	4284667598 (0xFF62D6CE)
YUV	178.4040, 13.6048, -70.5143
Hunter-Lab	74.2604, -33.2687, -1.4445

Details

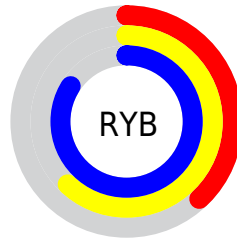
The XYZ color **40.2241, 55.1460, 66.9167** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.7026, 24.0737, 16.4552**, and the grayscale version is **42.4877, 44.7004, 48.6788**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **18.4423, 27.2575, 33.9950** is the 20% darker color. If you saturate the color by 10%, you get **38.0384, 54.0412, 65.8837**, and if you desaturate by 10%, it is **43.0319, 56.5740, 67.9900**.

Distribution



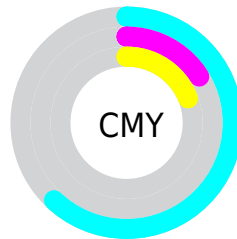
- Red (38%)
- Green (84%)
- Blue (81%)



- Red (38%)
- Yellow (62%)
- Blue (84%)



- Cyan (54%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)



- Cyan (62%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2241, 55.1460, 66.9167 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 40.2241, 55.1460, 66.9167 by changing the saturation by 10% instead.

40.2241, 55.1460,
66.9167

40.2241, 55.1460,
66.9167

338.1855,
406.4651, 468.1416

27.8983, 39.5186,
48.5558

74.7868, 97.7548,
116.4406

18.3891, 27.1634,
33.9041

97.7544, 125.5051,
148.4406

11.3311, 17.6960,
22.5432

125.0001,
158.0651, 185.8240

6.3589, 10.7320,
14.0544

156.8890,
195.8192, 229.0094

3.1072, 5.8869,
8.0194

193.7867,
239.1519, 278.4153

1.2107, 2.7764,
4.0194

236.0584,

0.1148, 1.0162,

288.4475, 334.4603

1.6360

284.0696,
344.0905, 397.5629

■ 0.0000, 0.0000,
0.3163

■ 0.0000, 0.0000,
0.0000

■ 40.2241, 55.1460,
66.9167

■ 40.2241, 55.1460,
66.9167

■ 38.0384, 54.0412,
65.8837

■ 43.0319, 56.5740,
67.9900

■ 36.4195, 53.2270,
64.8848

■ 46.5018, 58.3417,
69.1019

■ 35.3108, 52.6757,
63.9186

■ 50.6761, 60.4725,
70.2557

■ 34.6414, 52.3506,
62.9816

■ 55.5923, 62.9854,
71.4530

■ 34.3842, 52.2296,
62.4486

■ 61.2850, 65.8985,
72.6955

■ 67.7869, 69.2286,
73.9848

■ 75.1286, 72.9914,
75.3223

■ 77.9177, 74.4070,
76.4558

■ 78.1116, 74.4845,
77.4768

Harmonies

Analogous

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



40.7482, 55.1460, 47.7200



40.2241, 55.1460, 66.9167



42.7356, 55.1460, 88.3576

Triad

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



40.2241, 55.1460, 66.9167



61.5422, 55.1460, 94.8106



57.1895, 55.1460, 30.5991

Complementary

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



40.2241, 55.1460, 66.9167



34.7026, 24.0737, 16.4552

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.



63.4547, 55.1460, 38.5357



40.2241, 55.1460, 66.9167



66.1190, 55.1460, 74.3272

Square

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



40.2241, 55.1460, 66.9167



54.7622, 55.1460, 106.6754



66.8485, 55.1460, 53.6599



50.1351, 55.1460, 29.4756

Rectangle

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



40.2241, 55.1460, 66.9167



45.9370, 55.1460, 100.0133



66.8485, 55.1460, 53.6599



59.4742, 55.1460, 32.4582

Sweetspot

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



40.2257, 55.1481, 66.9180



81.1501, 92.8863, 105.9014



32.3967, 52.1444, 19.9138



17.0341, 19.7100, 22.5874



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.



40.2257, 55.1481, 66.9180



56.1671, 80.1616, 97.7552



30.7520, 34.6050, 68.6793



12.7535, 14.0924, 15.7823



20.7982, 31.5746, 37.8284



1.2658, 1.9090, 2.3415

Inverse Universe

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



34.7026, 24.0737, 16.4552



47.1667, 29.3798, 15.4158



40.2684, 35.8406, 16.3520



12.4577, 12.4346, 13.0843



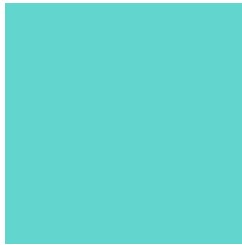
16.8270, 8.6671, 1.1270



1.0274, 0.5277, 0.1336

Previews

White Background



This preview shows how the XYZ color 40.2241, 55.1460, 66.9167 looks on a white background.

Color Contrast Check

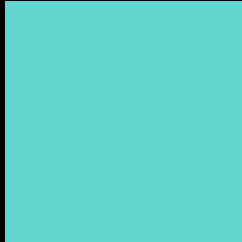
Large Text (above 18pt) WCAG AA × Fail

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 40.2241, 55.1460, 66.9167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

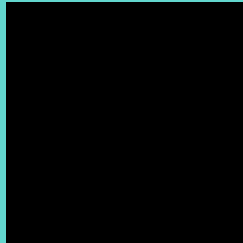
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

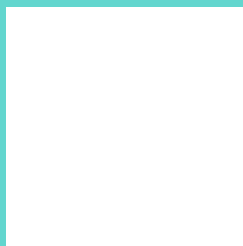
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2241, 55.1460, 66.9167

Background



This preview shows how black text looks on a background with the XYZ color 40.2241, 55.1460, 66.9167.

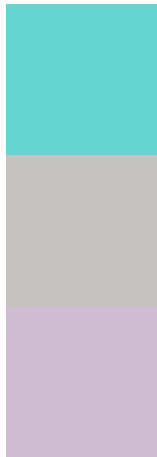


This preview shows how white text looks on a background with the XYZ color 40.2241, 55.1460,

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

40.2241, 55.1460, 66.9167

Protanopia

52.3181, 54.4844, 58.7980

Deuteranopia

55.4091, 54.2202, 69.1732



Tritanopia

43.2417, 55.2541, 81.7848

Trichromacy



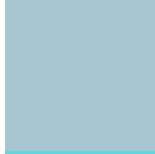
Original Color

40.2241, 55.1460, 66.9167



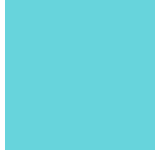
Protanomaly

45.9800, 53.5319, 61.3354



Deuteranomaly

47.6391, 53.2071, 68.0808



Tritanomaly

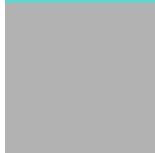
42.0553, 55.1378, 76.1363

Monochromacy



Original Color

40.2241, 55.1460, 66.9167



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.1023, 47.2820, 54.5897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2241, 55.1460, 66.9167 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(98, 214, 206)` looks like.

```
.text, #text, p{  
    color:rgb(98, 214, 206)  
}
```

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(98, 214, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 214, 206) }
```

Border

The CSS property to change the border of an element to XYZ 40.2241, 55.1460, 66.9167 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(98, 214, 206) }
```


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

```
.border{ border-color:rgb(98, 214, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 214, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 214, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 214, 206);  
box-shadow:4px 4px 4px 4px rgb(98, 214,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2241, 55.1460, 66.9167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 214, 206) }
```

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

```
.background{ background-color: rgb(98, 214,  
206) }
```

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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