

Converting Colors

XYZ(41.7612, 55.0735, 57.7792)

Have a look what the booklet for
XYZ(41.7612, 55.0735, 57.7792)
contains.

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Color

**XYZ(41.7515, 55.0172,
57.7091)**

Conversions

Conversions Part 1

Format	Color
Hex	81D3BF
RGB	129, 211, 191
RGB Percent	51%, 83%, 75%
CMY	0.4941, 0.1725, 0.2510
CMYK	0.39, 0.00, 0.09, 0.17
HSL	165°, 48%, 67%
HSV	165°, 39%, 83%
XYZ	41.7515, 55.0172, 57.7091
YIQ	184.2020, -42.4520, -23.6040

Conversions

Conversions Part 2

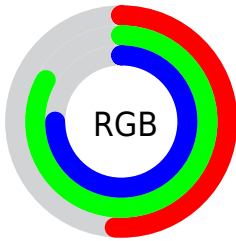
Format	Color
RYB	129, 176, 211
Decimal	8508351
CIELab	79.05, -29.62, 2.03
CIELCh	79, 29.687, 176.085
Yxy	55.0172, 0.2703, 0.3561
Android (android.graphics.Color)	4286698431 (0xFF81D3BF)
YUV	184.2020, 3.3514, -48.4122
Hunter-Lab	74.1736, -29.3281, 5.7922

Details

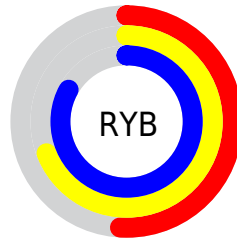
The XYZ color **41.7515, 55.0172, 57.7091** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.1409, 31.7208, 32.4430**, and the grayscale version is **45.6717, 48.0502, 52.3267**.

A 20% lighter version of the original color is **72.5561, 88.5497, 101.2634**, and **19.3000, 27.0678, 28.2521** is the 20% darker color. If you saturate the color by 10%, you get **38.3152, 53.3114, 54.6442**, and if you desaturate by 10%, it is **45.8726, 57.0765, 60.9124**.

Distribution



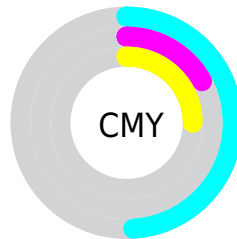
- Red (51%)
- Green (83%)
- Blue (75%)



- Red (51%)
- Yellow (69%)
- Blue (83%)



- Cyan (39%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)





- Cyan (49%)
- Magenta (17%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7515, 55.0172, 57.7091 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 41.7515, 55.0172, 57.7091 by changing the saturation by 10% instead.


 41.7515, 55.0172,
57.7091


 41.7515, 55.0172,
57.7091


344.4610,
405.9771, 433.6690


 29.0970, 39.4155,
41.1617


 77.0909, 97.5662,
103.0097

 19.2989, 27.0831,
28.1248


 100.5066,
125.2822, 132.6000

 11.9917, 17.6356,
18.1799


 128.2400,
157.8051, 167.3749

 6.8102, 10.6887,
10.9084

160.6565,
195.5194, 207.7531

 3.3890, 5.8579,
5.8919

198.1215,
238.8093, 254.1531

 1.3626, 2.7589,
2.7117

241.0004,

 0.2294, 1.0072,

288.0593, 306.9934

0.9493

289.6584,
343.6538, 366.6925

■ 0.0000, 0.0000,
0.0000

■ 41.7515, 55.0172,
57.7091

■ 41.7515, 55.0172,
57.7091

■ 38.3152, 53.3114,
54.6442

■ 45.8726, 57.0765,
60.9124

■ 35.5178, 51.9313,
51.7108

■ 50.7116, 59.5022,
64.2531

■ 33.3150, 50.8555,
48.9071


■ 56.3049, 62.3144,
67.7350


■ 31.6549, 50.0573,
46.2295

■ 62.6852, 65.5299,
71.3608


■ 30.4760, 49.5049,
43.6740


■ 69.8830, 69.1644,
75.1328


 29.6809, 49.1482,
41.2350

 77.7044, 73.1181,
79.0429

 29.5997, 49.1122,
40.9642

 78.4045, 73.3981,
82.7297

 79.1258, 73.6867,
86.5284

 79.8686, 73.9838,
90.4399

Harmonies

Analogous

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



43.4147, 55.0172, 43.5140



41.7515, 55.0172, 57.7091



42.7328, 55.0172, 75.3896

Triad

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



41.7515, 55.0172, 57.7091



57.4514, 55.0172, 94.1586



58.8946, 55.0172, 36.7458

Complementary

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



41.7515, 55.0172, 57.7091



40.1409, 31.7208, 32.4430

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.



63.1805, 55.0172, 46.6996



41.7515, 55.0172, 57.7091



62.3042, 55.0172, 79.9666

Square

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



41.7515, 55.0172, 57.7091



51.5199, 55.0172, 98.6070



64.4726, 55.0172, 62.1546



53.0721, 55.0172, 32.9415

Rectangle

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



41.7515, 55.0172, 57.7091



44.7976, 55.0172, 86.5496



64.4726, 55.0172, 62.1546



60.5793, 55.0172, 39.3798

Sweetspot

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



41.7531, 55.0194, 57.7104



83.4959, 94.1798, 102.2077



39.7443, 54.6124, 29.2164



17.6253, 20.0345, 21.7249



0.0000, 0.0000, 0.0000



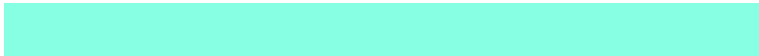
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.7531, 55.0194, 57.7104



59.4711, 82.1615, 84.5072



39.3348, 46.4161, 68.5165



12.0300, 13.3557, 14.5142



17.9050, 29.6549, 24.9436



1.0314, 1.6702, 1.5539

Inverse Universe

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



40.1409, 31.7208, 32.4430



56.6605, 41.3241, 40.2943



41.6549, 37.0890, 25.7333



11.9253, 11.8549, 12.8824



16.6136, 8.5183, 2.8712



0.9610, 0.4891, 0.3295

Previews

White Background



This preview shows how the XYZ color 41.7515, 55.0172, 57.7091 looks on a white background.

Color Contrast Check

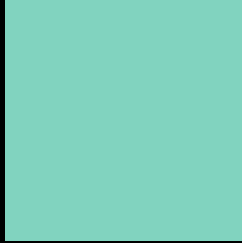
Large Text (above 18pt) WCAG AA × Fail

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 41.7515, 55.0172, 57.7091 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

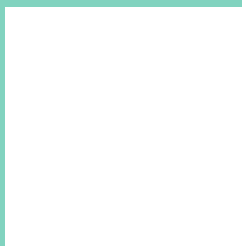
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7515, 55.0172, 57.7091

Background



This preview shows how black text looks on a background with the XYZ color 41.7515, 55.0172, 57.7091.

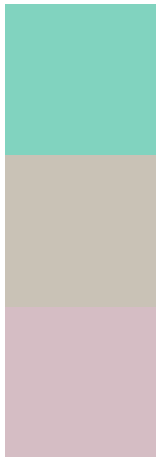


This preview shows how white text looks on a background with the XYZ color 41.7515, 55.0172,

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

41.7515, 55.0172, 57.7091

Protanopia

51.8227, 54.3785, 52.0207

Deuteranopia

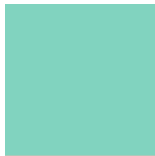
55.6020, 54.5268, 59.8187



Tritanopia

45.7071, 54.7887, 77.9783

Trichromacy



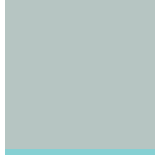
Original Color

41.7515, 55.0172, 57.7091



Protanomaly

47.0904, 53.9253, 53.8256



Deuteranomaly

48.9953, 53.7726, 58.8358



Tritanomaly

44.1453, 54.8832, 69.8948

Monochromacy



Original Color

41.7515, 55.0172, 57.7091



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.5713, 50.0639, 54.3806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7515, 55.0172, 57.7091 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(129, 211, 191)` looks like.

```
.text, #text, p{  
    color:rgb(129, 211, 191)  
}
```

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(129, 211, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 211, 191) }
```

Border

The CSS property to change the border of an element to XYZ 41.7515, 55.0172, 57.7091 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(129, 211, 191) }
```


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

```
.border{ border-color:rgb(129, 211, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 211, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 211, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 211, 191);  
box-shadow:4px 4px 4px 4px rgb(129, 211,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7515, 55.0172, 57.7091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 211, 191) }
```

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

```
.background{ background-color: rgb(129,  
211, 191) }
```

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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