

Converting Colors

XYZ(41.3146, 56.2539, 58.2561)

Have a look what the booklet for
XYZ(41.3146, 56.2539, 58.2561)
contains.

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Color

**XYZ(41.3122, 56.2844,
57.9768)**

Conversions

Conversions Part 1

Format	Color
Hex	77D7BF
RGB	119, 215, 191
RGB Percent	47%, 84%, 75%
CMY	0.5333, 0.1568, 0.2510
CMYK	0.45, 0.00, 0.11, 0.16
HSL	165°, 55%, 65%
HSV	165°, 45%, 84%
XYZ	41.3122, 56.2844, 57.9768
YIQ	183.5600, -49.5120, -27.8160

Conversions

Conversions Part 2

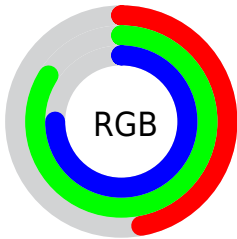
Format	Color
RYB	119, 174, 215
Decimal	7854015
CIELab	79.78, -34.08, 3.03
CIELCh	80, 34.211, 174.926
Yxy	56.2844, 0.2655, 0.3618
Android (android.graphics.Color)	4286044095 (0xFF77D7BF)
YUV	183.5600, 3.6679, -56.6191
Hunter-Lab	75.0229, -32.9971, 6.6975

Details

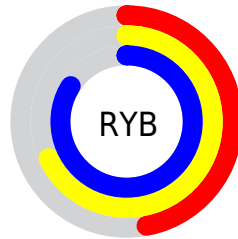
The XYZ color **41.3122, 56.2844, 57.9768** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.5811, 29.6255, 29.6210**, and the grayscale version is **45.3187, 47.6788, 51.9222**.

A 20% lighter version of the original color is **70.4530, 87.4655, 101.1650**, and **19.0827, 27.9687, 28.4375** is the 20% darker color. If you saturate the color by 10%, you get **38.1082, 54.7012, 54.7961**, and if you desaturate by 10%, it is **45.2085, 58.2248, 61.3057**.

Distribution



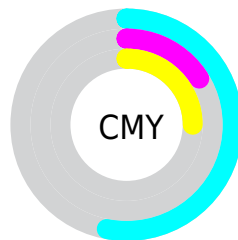
- Red (47%)
- Green (84%)
- Blue (75%)



- Red (47%)
- Yellow (68%)
- Blue (84%)



- Cyan (45%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)




- Cyan (53%)
- Magenta (16%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3122, 56.2844, 57.9768 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 41.3122, 56.2844, 57.9768 by changing the saturation by 10% instead.


 41.3122, 56.2844,
57.9768


 41.3122, 56.2844,
57.9768


342.6641,
410.7624, 434.6953


 28.7519, 40.4310,
41.3754


 76.4293, 99.4203,
103.4035

 19.0365, 27.8747,
28.2906


 99.7168, 127.4715,
133.0659

 11.8008, 18.2313,
18.3039


 127.3107,
160.3575, 167.9191

 6.6794, 11.1161,
10.9967

159.5764,
198.4627, 208.3816

 3.3070, 6.1450,
5.9505

196.8792,
242.1713, 254.8719

 1.3181, 2.9335,
2.7467

239.5846,

 0.1967, 1.0971,

291.8679, 307.8086

0.9668

288.0577,
347.9368, 367.6102

■ 0.0000, 0.0000,
0.0000

■ 41.3122, 56.2844,
57.9768

■ 41.3122, 56.2844,
57.9768

■ 38.1082, 54.7012,
54.7961

■ 45.2085, 58.2248,
61.3057

■ 35.5459, 53.4449,
51.7564

■ 49.8340, 60.5372,
64.7821

■ 33.5754, 52.4913,
48.8553


■ 55.2283, 63.2434,
68.4101


■ 32.1371, 51.8095,
46.0888

■ 61.4270, 66.3616,
72.1927


■ 31.1582, 51.3622,
43.4523


■ 68.4633, 69.9090,
76.1324

 30.7563, 51.1848,
42.0917

 76.3686, 73.9018,
80.2319

 79.6327, 75.4993,
84.2343

 80.3936, 75.8037,
88.2409

 81.1779, 76.1174,
92.3709

Harmonies

Analogous

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



43.3333, 56.2844, 41.8986



41.3122, 56.2844, 57.9768



42.3192, 56.2844, 78.7798

Triad

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



41.3122, 56.2844, 57.9768



59.3000, 56.2844, 102.7226



61.5090, 56.2844, 35.0976

Complementary

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



41.3122, 56.2844, 57.9768



39.5811, 29.6255, 29.6210

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.



66.4869, 56.2844, 46.5919



41.3122, 56.2844, 57.9768



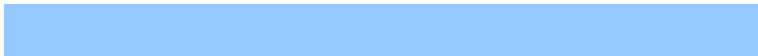
65.1365, 56.2844, 85.8812

Square

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



41.3122, 56.2844, 57.9768



52.3290, 56.2844, 107.5936



67.8682, 56.2844, 64.7149



54.6815, 56.2844, 30.6343

Rectangle

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



41.3122, 56.2844, 57.9768



44.6217, 56.2844, 92.3108



67.8682, 56.2844, 64.7149



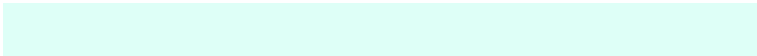
63.4766, 56.2844, 38.1286

Sweetspot

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



41.3138, 56.2866, 57.9781



82.5823, 93.7235, 101.5006



39.2387, 55.9186, 26.1792



17.2672, 19.8553, 21.4648



0.0000, 0.0000, 0.0000



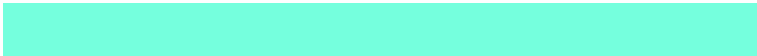
20.3446, 21.4041, 23.3091

Same Dimension

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



41.3138, 56.2866, 57.9781



56.1307, 80.5204, 80.6916



38.8569, 46.7936, 71.2766



12.6533, 14.0523, 15.2549



18.4397, 30.6312, 25.4088



1.1444, 1.8604, 1.7020

Inverse Universe

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



39.5811, 29.6255, 29.6210



53.2815, 36.3107, 33.7895



40.9399, 34.9487, 22.0419



12.5494, 12.4712, 13.5671



17.1928, 8.8134, 3.0533



1.0705, 0.5450, 0.3605

Previews

White Background



This preview shows how the XYZ color 41.3122, 56.2844, 57.9768 looks on a white background.

Color Contrast Check

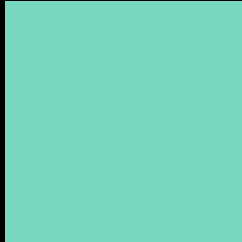
Large Text (above 18pt) WCAG AA × Fail

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 41.3122, 56.2844, 57.9768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

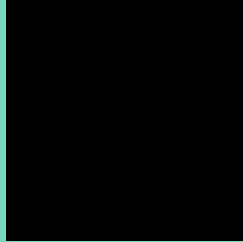
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3122, 56.2844, 57.9768

Background



This preview shows how black text looks on a background with the XYZ color 41.3122, 56.2844, 57.9768.



This preview shows how white text looks on a background with the XYZ color 41.3122, 56.2844,

57.9768.

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

41.3122, 56.2844, 57.9768

Protanopia

52.9823, 55.6534, 51.6658

Deuteranopia

56.6962, 55.4114, 59.9318



Tritanopia

45.9650, 56.3064, 81.1186

Trichromacy



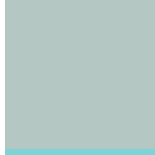
Original Color

41.3122, 56.2844, 57.9768



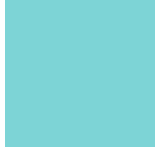
Protanomaly

47.3465, 55.0989, 54.0387



Deuteranomaly

49.2171, 54.5656, 58.9771



Tritanomaly

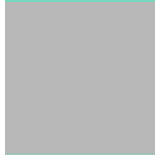
44.1385, 56.3020, 72.1594

Monochromacy



Original Color

41.3122, 56.2844, 57.9768



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.9820, 50.0917, 54.4170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3122, 56.2844, 57.9768 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(119, 215, 191)` looks like.

```
.text, #text, p{  
    color:rgb(119, 215, 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(119, 215, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 215, 191) }
```

Border

The CSS property to change the border of an element to XYZ 41.3122, 56.2844, 57.9768 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(119, 215, 191) }
```


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

```
.border{ border-color:rgb(119, 215, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 215, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 215, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 215, 191);  
box-shadow:4px 4px 4px 4px rgb(119, 215,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3122, 56.2844, 57.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 215, 191) }
```

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

```
.background{ background-color: rgb(119,  
215, 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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