

Converting Colors

XYZ(41.5441, 64.3898, 59.8366)

Have a look what the booklet for
XYZ(41.5441, 64.3898, 59.8366)
contains.

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Color

**XYZ(41.6067, 64.4514,
60.1166)**

Conversions

Conversions Part 1

Format	Color
Hex	44EBC0
RGB	68, 235, 192
RGB Percent	27%, 92%, 75%
CMY	0.7333, 0.0784, 0.2471
CMYK	0.71, 0.00, 0.18, 0.08
HSL	165°, 81%, 59%
HSV	165°, 71%, 92%
XYZ	41.6067, 64.4514, 60.1166
YIQ	180.1650, -85.7290, -48.7770

Conversions

Conversions Part 2

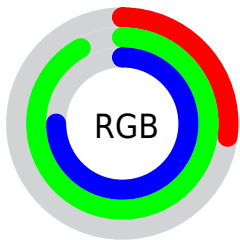
Format	Color
RYB	68, 164, 235
Decimal	4516800
CIELab	84.20, -52.25, 8.68
CIELCh	84, 52.969, 170.564
Yxy	64.4514, 0.2504, 0.3879
Android (android.graphics.Color)	4282706880 (0xFF44EBC0)
YUV	180.1650, 5.8347, -98.3687
Hunter-Lab	80.2816, -47.9836, 11.7995

Details

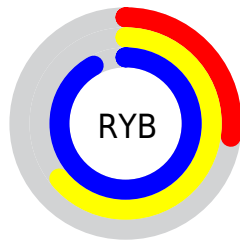
The XYZ color **41.6067, 64.4514, 60.1166** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **39.1996, 22.9459, 17.4047**, and the grayscale version is **43.4757, 45.7398, 49.8107**.

A 20% lighter version of the original color is **63.0198, 83.6157, 101.6249**, and **20.5806, 33.7049, 29.8471** is the 20% darker color. If you saturate the color by 10%, you get **39.6277, 63.5087, 56.5966**, and if you desaturate by 10%, it is **44.2733, 65.7486, 63.8156**.

Distribution



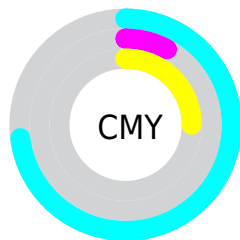
- Red (27%)
- Green (92%)
- Blue (75%)



- Red (27%)
- Yellow (64%)
- Blue (92%)



- Cyan (71%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)





- Cyan (73%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6067, 64.4514, 60.1166 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 41.6067, 64.4514, 60.1166 by changing the saturation by 10% instead.

 41.6067, 64.4514,
60.1166


 41.6067, 64.4514,
60.1166


343.8694,
440.8179, 442.8440


 28.9832, 47.0164,
43.0867


 76.8729, 111.2608,
106.5438


 19.2123, 33.0486,
29.6213


 100.2464,
141.4039, 136.7782

 11.9287, 22.1637,
19.3017


 127.9339,
176.5519, 172.2512

 6.7670, 13.9772,
11.7095

 160.3008,
217.0891, 213.3814

 3.3619, 8.1048,
6.4260

197.7124,
263.3999, 260.5872

 1.3479, 4.1621,
3.0329

240.5342,

 0.2186, 1.7646,

315.8687, 314.2872

1.1114

289.1314,
374.8799, 374.8999

■ 0.0000, 0.4650,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6067, 64.4514,
60.1166

■ 41.6067, 64.4514,
60.1166

■ 39.6277, 63.5087,
56.5966

■ 44.2733, 65.7486,
63.8156


■ 38.2468, 62.8695,
53.2453


■ 47.6924, 67.4289,
67.6940


■ 37.3972, 62.4940,
50.3867


■ 51.9274, 69.5266,
71.7579


■ 57.0331, 72.0698,
76.0114

 63.0597, 75.0845,
80.4585

 70.0535, 78.5943,
85.1029

 78.0574, 82.6215,
89.9481

 86.7391, 86.9947,
94.9803

 87.6554, 87.3612,
99.8056

Harmonies

Analogous

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



45.4485, 64.4514, 36.6408



41.6067, 64.4514, 60.1166



42.4868, 64.4514, 95.3788

Triad

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



41.6067, 64.4514, 60.1166



69.5217, 64.4514, 149.6230



76.7206, 64.4514, 31.1966

Complementary

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



41.6067, 64.4514, 60.1166



39.1996, 22.9459, 17.4047

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.



84.8778, 64.4514, 49.8579



41.6067, 64.4514, 60.1166



80.3674, 64.4514, 119.6842

Square

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



41.6067, 64.4514, 60.1166



57.6376, 64.4514, 155.0536



86.2914, 64.4514, 81.3006



65.0292, 64.4514, 23.8181

Rectangle

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



41.6067, 64.4514, 60.1166



45.6824, 64.4514, 121.0782



86.2914, 64.4514, 81.3006



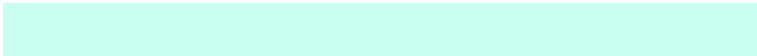
80.0264, 64.4514, 36.0137

Sweetspot

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



41.6085, 64.4539, 60.1181



75.8772, 90.3634, 96.8270



37.5041, 63.3166, 15.7147



15.7860, 19.1137, 20.4022



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.



41.6085, 64.4539, 60.1181



46.8990, 76.0690, 66.3573



37.1289, 46.7246, 85.6620



15.3424, 17.0518, 18.4858



20.8671, 34.8013, 28.3290



1.6773, 2.7482, 2.4283

Inverse Universe

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



39.1996, 22.9459, 17.4047



43.9644, 23.4716, 12.8180



40.5608, 28.5901, 8.8507



15.2246, 15.1177, 16.4683



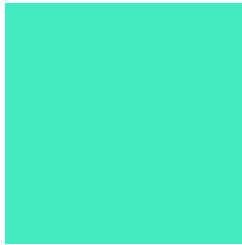
19.5733, 10.0320, 3.5541



1.5751, 0.8030, 0.4800

Previews

White Background



This preview shows how the XYZ color 41.6067, 64.4514, 60.1166 looks on a white background.

Color Contrast Check

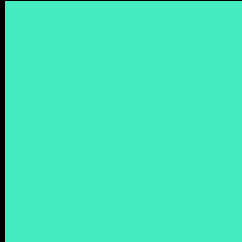
Large Text (above 18pt) WCAG AA × Fail

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 41.6067, 64.4514, 60.1166 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

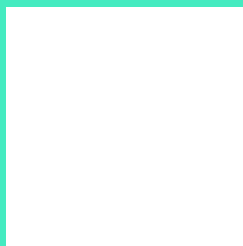
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6067, 64.4514, 60.1166

Background



This preview shows how black text looks on a background with the XYZ color 41.6067, 64.4514, 60.1166.

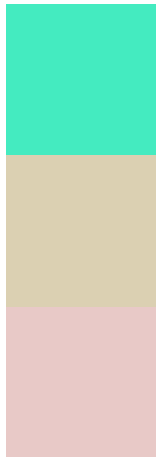


This preview shows how white text looks on a background with the XYZ color 41.6067, 64.4514,

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

41.6067, 64.4514, 60.1166

Protanopia

59.8052, 63.3862, 51.2022

Deuteranopia

64.4742, 63.0526, 62.8050



Tritanopia

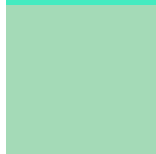
48.9940, 64.5203, 97.0602

Trichromacy



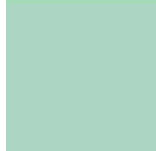
Original Color

41.6067, 64.4514, 60.1166



Protanomaly

48.9285, 61.4542, 54.0828



Deuteranomaly

50.7713, 60.3447, 61.1963



Tritanomaly

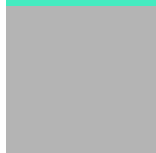
46.0497, 64.5741, 81.9885

Monochromacy



Original Color

41.6067, 64.4514, 60.1166



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.9535, 50.2582, 52.9424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6067, 64.4514, 60.1166 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(68, 235, 192)` looks like.

```
.text, #text, p{  
    color:rgb(68, 235, 192)  
}
```

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(68, 235, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 235, 192) }
```

Border

The CSS property to change the border of an element to XYZ 41.6067, 64.4514, 60.1166 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(68, 235, 192) }
```


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

```
.border{ border-color:rgb(68, 235, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 235, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 235, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 235, 192);  
box-shadow:4px 4px 4px 4px rgb(68, 235,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6067, 64.4514, 60.1166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 235, 192) }
```

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

```
.background{ background-color: rgb(68, 235,  
192) }
```

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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