

Converting Colors

XYZ(42.6607, 64.3745, 60.0012)

Have a look what the booklet for
XYZ(42.6607, 64.3745, 60.0012)
contains.

XYZ(42.7750, 64.6298, 60.0895)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.7750, 64.6298,
60.0895)**

Conversions

Conversions Part 1

Format	Color
Hex	56EAC0
RGB	86, 234, 192
RGB Percent	34%, 92%, 75%
CMY	0.6627, 0.0823, 0.2471
CMYK	0.63, 0.00, 0.18, 0.08
HSL	163°, 78%, 63%
HSV	163°, 63%, 92%
XYZ	42.7750, 64.6298, 60.0895
YIQ	184.9600, -74.7260, -44.4380

Conversions

Conversions Part 2

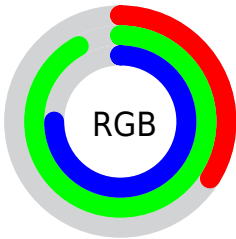
Format	Color
RYB	86, 172, 234
Decimal	5696192
CIELab	84.29, -49.13, 8.87
CIELCh	84, 49.924, 169.768
Yxy	64.6298, 0.2554, 0.3859
Android (android.graphics.Color)	4283886272 (0xFF56EAC0)
YUV	184.9600, 3.4707, -86.7879
Hunter-Lab	80.3927, -45.7116, 11.9585

Details

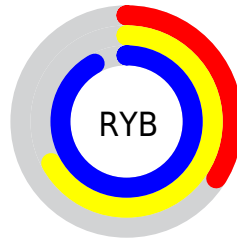
The XYZ color **42.7750, 64.6298, 60.0895** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **41.1579, 25.7082, 23.2175**, and the grayscale version is **46.1047, 48.5057, 52.8227**.

A 20% lighter version of the original color is **65.2810, 84.7813, 101.7307**, and **20.3823, 33.3084, 29.7810** is the 20% darker color. If you saturate the color by 10%, you get **40.2438, 63.4096, 56.2172**, and if you desaturate by 10%, it is **46.0480, 66.2318, 64.1727**.

Distribution



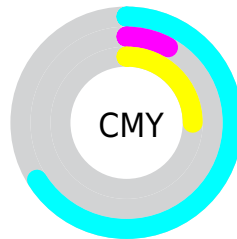
- Red (34%)
- Green (92%)
- Blue (75%)



- Red (34%)
- Yellow (67%)
- Blue (92%)



- Cyan (63%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)





- Cyan (66%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7750, 64.6298, 60.0895 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 42.7750, 64.6298, 60.0895 by changing the saturation by 10% instead.


 42.7750, 64.6298,
60.0895


 42.7750, 64.6298,
60.0895


348.6229,
441.4604, 442.7414


 29.9024, 47.1610,
43.0650


 78.6290, 111.5175,
106.5041


 19.9122, 33.1629,
29.6043


 102.3412,
141.7051, 136.7314

 12.4391, 22.2513,
19.2890


 130.3972,
176.9010, 172.1966

 7.1178, 14.0417,
11.7003

 163.1624,
217.4898, 213.3183

 3.5829, 8.1496,
6.4199

201.0023,
263.8557, 260.5151

 1.4690, 4.1909,
3.0292

244.2820,

 0.3046, 1.7809,

316.3832, 314.2055

1.1096

293.3671,
375.4566, 374.8081

■ 0.0000, 0.4752,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7750, 64.6298,
60.0895

■ 42.7750, 64.6298,
60.0895

■ 40.2438, 63.4096,
56.2172

■ 46.0480, 66.2318,
64.1727

■ 38.3767, 62.5265,
52.5456


■ 50.1200, 68.2401,
68.4675


■ 37.0882, 61.9378,
49.0699


■ 55.0484, 70.6860,
72.9802


■ 36.4540, 61.6598,
46.8278


■ 60.8840, 73.5956,
77.7151

 67.6734, 76.9929,
82.6767

 75.4598, 80.9001,
87.8689

 84.2841, 85.3382,
93.2958

 87.1652, 86.7083,
98.6326

 88.1983, 87.1216,
104.0730

Harmonies

Analogous

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



46.5715, 64.6298, 37.8883



42.7750, 64.6298, 60.0895



43.4984, 64.6298, 93.0633

Triad

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



42.7750, 64.6298, 60.0895



68.9113, 64.6298, 144.7255



76.2254, 64.6298, 33.3418

Complementary

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



42.7750, 64.6298, 60.0895



41.1579, 25.7082, 23.2175

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.



83.7122, 64.6298, 51.7042



42.7750, 64.6298, 60.0895



79.1508, 64.6298, 117.5354

Square

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



42.7750, 64.6298, 60.0895



57.7252, 64.6298, 149.0080



84.8428, 64.6298, 81.7628



65.2873, 64.6298, 25.8175

Rectangle

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



42.7750, 64.6298, 60.0895



46.4794, 64.6298, 117.0034



84.8428, 64.6298, 81.7628



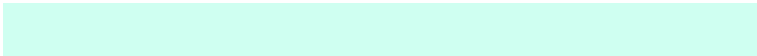
79.2822, 64.6298, 38.1394

Sweetspot

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



42.7768, 64.6323, 60.0910



77.2811, 91.0865, 96.9232



40.3720, 64.2977, 19.0881



16.0505, 19.2508, 20.3786



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.



42.7768, 64.6323, 60.0910



48.1221, 76.6886, 66.9094



40.3791, 51.2975, 85.6180



15.3248, 17.0447, 18.3932



20.5411, 34.6709, 26.6120



1.6539, 2.7389, 2.3052

Inverse Universe

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



41.1579, 25.7082, 23.2175



46.0835, 25.8845, 19.1515



41.8128, 30.5650, 12.5011



15.2412, 15.1243, 16.5555



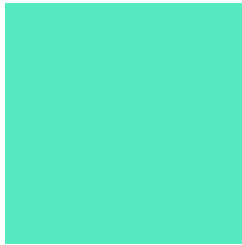
19.6738, 10.0722, 4.0835



1.5849, 0.8069, 0.5316

Previews

White Background



This preview shows how the XYZ color 42.7750, 64.6298, 60.0895 looks on a white background.

Color Contrast Check

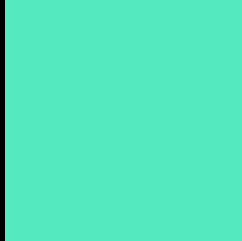
Large Text (above 18pt) WCAG AA × Fail

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 42.7750, 64.6298, 60.0895 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

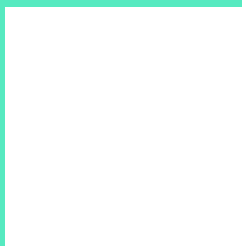
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7750, 64.6298, 60.0895

Background



This preview shows how black text looks on a background with the XYZ color 42.7750, 64.6298, 60.0895.

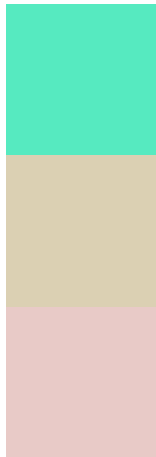


This preview shows how white text looks on a background with the XYZ color 42.7750, 64.6298, 60.0895.

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

42.7750, 64.6298, 60.0895

Protanopia

59.9060, 63.4265, 51.7330

Deuteranopia

64.7080, 63.5204, 62.8830



Tritanopia

50.0139, 64.6565, 96.2302

Trichromacy



Original Color

42.7750, 64.6298, 60.0895



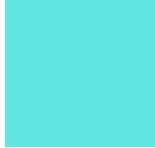
Protanomaly

50.2592, 61.7443, 54.6163



Deuteranomaly

52.6008, 61.6624, 61.3542



Tritanomaly

47.1699, 64.7373, 81.9609

Monochromacy



Original Color

42.7750, 64.6298, 60.0895



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

42.8275, 52.7323, 55.4981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7750, 64.6298, 60.0895 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, 234, 192)` looks like.

```
.text, #text, p{  
    color:rgb(86, 234, 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(86, 234, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 234, 192) }
```

Border

The CSS property to change the border of an element to XYZ 42.7750, 64.6298, 60.0895 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, 234, 192) }
```


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

```
.border{ border-color:rgb(86, 234, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 234, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 234, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 234, 192);  
box-shadow:4px 4px 4px 4px rgb(86, 234,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7750, 64.6298, 60.0895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 234, 192) }
```

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

```
.background{ background-color: rgb(86, 234,  
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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