

Converting Colors

XYZ(40.5297, 56.2616, 19.7243)

Have a look what the booklet for
XYZ(40.5297, 56.2616, 19.7243)
contains.

XYZ(40.6551, 56.4112, 19.8120)	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(40.6551, 56.4112,
19.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	A0D660
RGB	160, 214, 96
RGB Percent	63%, 84%, 38%
CMY	0.3725, 0.1608, 0.6235
CMYK	0.25, 0.00, 0.55, 0.16
HSL	87°, 59%, 61%
HSV	87°, 55%, 84%
XYZ	40.6551, 56.4112, 19.8120
YIQ	184.4020, 5.6940, -48.1460

Conversions

Conversions Part 2

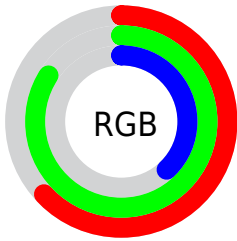
Format	Color
RYB	96, 214, 150
Decimal	10540640
CIELab	79.85, -36.41, 51.92
CIELCh	80, 63.414, 125.037
Yxy	56.4112, 0.3478, 0.4826
Android (android.graphics.Color)	4288730720 (0xFFA0D660)
YUV	184.4020, -43.5822, -21.4006
Hunter-Lab	75.1074, -34.8171, 36.9355

Details

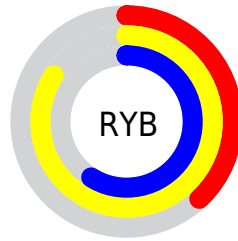
The XYZ color **40.6551, 56.4112, 19.8120** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.9004, 19.7064, 65.9019**, and the grayscale version is **46.0152, 48.4116, 52.7202**.

A 20% lighter version of the original color is **69.8803, 88.4737, 42.2482**, and **18.6599, 27.9739, 6.7015** is the 20% darker color. If you saturate the color by 10%, you get **37.9198, 55.1017, 15.2226**, and if you desaturate by 10%, it is **43.8156, 57.9125, 25.8232**.

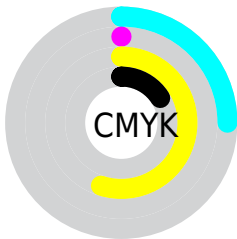
Distribution



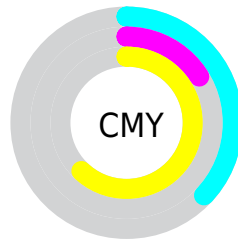
- Red (63%)
- Green (84%)
- Blue (38%)



- Red (38%)
- Yellow (84%)
- Blue (59%)



- Cyan (25%)
- Magenta (0%)
- Yellow (55%)
- Black (16%)





- Cyan (37%)
- Magenta (16%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6551, 56.4112, 19.8120 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 40.6551, 56.4112, 19.8120 by changing the saturation by 10% instead.


 40.6551, 56.4112,
19.8120


 40.6551, 56.4112,
19.8120


339.9643,
411.2393, 263.4660


 28.2362, 40.5327,
12.0757


 75.4381, 99.6055,
43.9566


 18.6451, 27.9541,
6.6721


 98.5328, 127.6902,
61.2020

 11.5166, 18.2911,
3.1826

 125.9169,
160.6123, 82.4542

 6.4853, 11.1592,
1.1886

 157.9556,
198.7563, 108.1317

 3.1858, 6.1740,
0.0000

195.0143,
242.5067, 138.6531

 1.2528, 2.9512,
0.0000

237.4585,

 0.1474, 1.1063,

292.2477, 174.4370

0.0000

285.6533,
348.3638, 215.9017

■ 0.0000, 0.0000,
0.0000

■ 40.6551, 56.4112,
19.8120

■ 40.6551, 56.4112,
19.8120

■ 37.9198, 55.1017,
15.2226

■ 43.8156, 57.9125,
25.8232

■ 35.5798, 53.9657,
11.9338

■ 47.4204, 59.6078,
33.3573

■ 33.6068, 52.9935,
9.8099

■ 51.4921, 61.5085,
42.5100

■ 31.9652, 52.1705,
8.6839

■ 56.0506, 63.6229,
53.3685

■ 31.2586, 51.8128,
8.3534

■ 61.1141, 65.9586,
66.0136

■ 66.7002, 68.5230,
80.5208

■ 72.8252, 71.3230,
96.9615

■ 77.4763, 73.5538,
104.7216

■ 80.8614, 75.2989,
104.8800

Harmonies

Analogous

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



51.4785, 56.4112, 14.4797



40.6551, 56.4112, 19.8120



34.2042, 56.4112, 36.1524

Triad

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



40.6551, 56.4112, 19.8120



43.8577, 56.4112, 150.4126



82.1636, 56.4112, 55.4209

Complementary

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



40.6551, 56.4112, 19.8120



28.9004, 19.7064, 65.9019

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.



79.2595, 56.4112, 96.3577



40.6551, 56.4112, 19.8120



55.8142, 56.4112, 162.2135

Square

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



40.6551, 56.4112, 19.8120



35.8359, 56.4112, 111.6165



69.0773, 56.4112, 139.4133



76.4797, 56.4112, 29.1141

Rectangle

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



40.6551, 56.4112, 19.8120



32.5897, 56.4112, 55.5057



69.0773, 56.4112, 139.4133



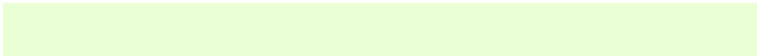
82.1673, 56.4112, 67.7449

Sweetspot

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



40.6565, 56.4137, 19.8132



81.9135, 93.9453, 75.8721



40.6083, 36.6692, 16.0047



17.2322, 19.9689, 15.5165



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.



40.6565, 56.4137, 19.8132



55.8226, 81.6654, 21.7735



31.6277, 51.7592, 19.3907



12.8995, 14.2244, 13.2264



19.0143, 31.3786, 5.0545



1.2418, 1.9416, 0.3093

Inverse Universe

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



28.9004, 19.7064, 65.9019



36.6869, 21.8511, 96.8918



42.3632, 26.6467, 66.5320



12.2772, 12.2843, 15.6615



10.4940, 4.5623, 38.7807



0.7277, 0.3240, 2.3435

Previews

White Background



This preview shows how the XYZ color 40.6551, 56.4112, 19.8120 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 40.6551, 56.4112, 19.8120 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 40.6551, 56.4112, 19.8120

Background



This preview shows how black text looks on a background with the XYZ color 40.6551, 56.4112, 19.8120.



This preview shows how white text looks on a background with the XYZ color 40.6551, 56.4112,

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

40.6551, 56.4112, 19.8120

Protanopia

51.0680, 55.7479, 17.9664

Deuteranopia

57.0494, 55.8230, 20.6000



Tritanopia

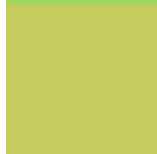
51.5425, 56.1302, 73.7633

Trichromacy



Original Color

40.6551, 56.4112, 19.8120



Protanomaly

46.6204, 55.5080, 18.6129



Deuteranomaly

49.4179, 54.8497, 20.0390



Tritanomaly

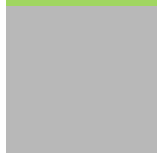
46.4087, 55.8177, 47.8631

Monochromacy



Original Color

40.6551, 56.4112, 19.8120



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.8618, 50.4112, 37.1770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6551, 56.4112, 19.8120 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(160, 214, 96)` looks like.

```
.text, #text, p{  
    color:rgb(160, 214, 96)  
}
```

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(160, 214, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 214, 96) }
```

Border

The CSS property to change the border of an element to XYZ 40.6551, 56.4112, 19.8120 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(160, 214, 96) }
```


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

```
.border{ border-color:rgb(160, 214, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 214, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 214, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 214, 96);  
box-shadow:4px 4px 4px 4px rgb(160, 214,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6551, 56.4112, 19.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 214, 96) }
```

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

```
.background{ background-color: rgb(160,  
214, 96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor