

Converting Colors

XYZ(25.0216, 40.7203, 17.5789)

Have a look what the booklet for
XYZ(25.0216, 40.7203, 17.5789)
contains.

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Color

**XYZ(24.9855, 40.6185,
17.5896)**

Conversions

Conversions Part 1

Format	Color
Hex	58C060
RGB	88, 192, 96
RGB Percent	35%, 75%, 38%
CMY	0.6549, 0.2470, 0.6235
CMYK	0.54, 0.00, 0.50, 0.25
HSL	125°, 45%, 55%
HSV	125°, 54%, 75%
XYZ	24.9855, 40.6185, 17.5896
YIQ	149.9600, -31.1680, -51.9040

Conversions

Conversions Part 2

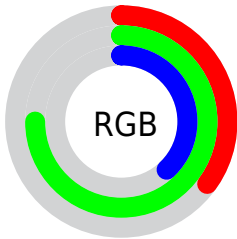
Format	Color
RYB	88, 185, 192
Decimal	5816416
CIELab	69.91, -50.00, 39.19
CIELCh	70, 63.525, 141.907
Yxy	40.6185, 0.3003, 0.4882
Android (android.graphics.Color)	4284006496 (0xFF58C060)
YUV	149.9600, -26.6023, -54.3389
Hunter-Lab	63.7326, -41.5537, 28.2494

Details

The XYZ color **24.9855, 40.6185, 17.5896** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **33.8810, 21.6474, 47.7414**, and the grayscale version is **29.0922, 30.6072, 33.3313**.

A 20% lighter version of the original color is **50.8980, 75.9092, 39.9863**, and **9.6883, 18.2172, 5.5904** is the 20% darker color. If you saturate the color by 10%, you get **22.6758, 39.5129, 13.6920**, and if you desaturate by 10%, it is **27.9598, 42.0478, 22.4803**.

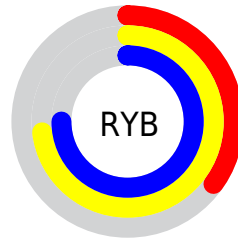
Distribution



Red (35%)

Green (75%)

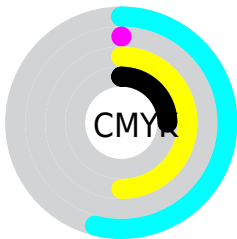
Blue (38%)



Red (35%)

Yellow (73%)

Blue (75%)

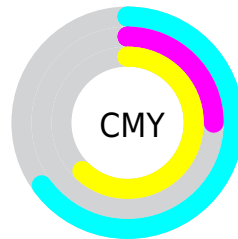


Cyan (54%)

Magenta (0%)

Yellow (50%)

Black (25%)



Cyan (65%)

Magenta (25%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9855, 40.6185, 17.5896 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 24.9855, 40.6185, 17.5896 by changing the saturation by 10% instead.

■ 24.9855, 40.6185,
17.5896

■ 24.9855, 40.6185,
17.5896

270.1147,
348.7236, 250.7055

■ 16.1949, 28.0211,
10.4894

■ 51.0768, 76.1044,
40.1412

■ 9.7539, 18.3416,
5.6148

■ 69.1082, 99.7618,
56.4297

■ 5.2971, 11.1955,
2.5473

■ 90.9505, 127.8745,
76.6179

■ 2.4592, 6.1985,
0.8651

■ 116.9693,
160.8271, 101.1246

■ 0.8747, 2.9661,
0.0000

147.5297,
199.0039, 130.3681

■ 0.0000, 1.1141,
0.0000

182.9972,

■ 0.0000, 0.0000,

242.7893, 164.7671

0.0000

223.7370,
292.5678, 204.7400

■ 24.9855, 40.6185,
17.5896

■ 24.9855, 40.6185,
17.5896

■ 22.6758, 39.5129,
13.6920

■ 27.9598, 42.0478,
22.4803

■ 20.9766, 38.7010,
10.7169

■ 31.6413, 43.8180,
28.4227

■ 19.8306, 38.1561,
8.5891

■ 36.0725, 45.9509,
35.4741

■ 19.1677, 37.8440,
7.2203

■ 41.2919, 48.4652,
43.6870

■ 18.9350, 37.7347,
6.7290

■ 47.3351, 51.3783,
53.1104

■ 54.2357, 54.7064,
63.7905

■ 62.0254, 58.4651,
75.7712

■ 70.7343, 62.6688,
89.0943

■ 78.1404, 66.1808,
103.2635

Harmonies

Analogous

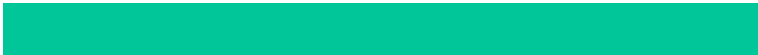
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.6578, 40.6185, 9.6527



24.9855, 40.6185, 17.5896



22.0871, 40.6185, 36.6893

Triad

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



24.9855, 40.6185, 17.5896



35.8764, 40.6185, 127.8725



60.1313, 40.6185, 26.2118

Complementary

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



24.9855, 40.6185, 17.5896



33.8810, 21.6474, 47.7414

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.



61.8086, 40.6185, 52.7315



24.9855, 40.6185, 17.5896



46.5045, 40.6185, 120.8174

Square

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



24.9855, 40.6185, 17.5896



27.6000, 40.6185, 105.8283



56.4504, 40.6185, 89.4423



52.2082, 40.6185, 12.8578

Rectangle

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



24.9855, 40.6185, 17.5896



22.2457, 40.6185, 57.0367



56.4504, 40.6185, 89.4423



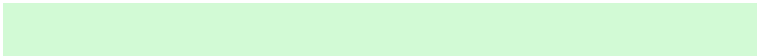
61.4949, 40.6185, 33.4944

Sweetspot

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



24.9865, 40.6202, 17.5905



72.7182, 86.8021, 75.8673



40.6364, 48.7285, 16.4966



15.1676, 18.4134, 15.5961



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.9865, 40.6202, 17.5905



40.4270, 71.2771, 23.6740



28.1365, 41.8802, 34.1782



9.9752, 11.2711, 10.8726



12.7524, 25.3950, 4.5891



0.5620, 1.1016, 0.2563

Inverse Universe

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



33.8810, 21.6474, 47.7414



58.1796, 33.3355, 83.7982



29.4674, 19.8820, 24.4998



10.4628, 10.2337, 12.5275



19.9959, 9.6881, 28.9539



0.8741, 0.4226, 1.3043

Previews

White Background



This preview shows how the XYZ color 24.9855, 40.6185, 17.5896 looks on a white background.

Color Contrast Check

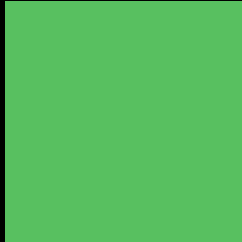
Large Text (above 18pt) WCAG AA × Fail

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 24.9855, 40.6185, 17.5896 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 24.9855, 40.6185, 17.5896

Background



This preview shows how black text looks on a background with the XYZ color 24.9855, 40.6185, 17.5896.



This preview shows how white text looks on a background with the XYZ color 24.9855, 40.6185,

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

24.9855, 40.6185, 17.5896

Protanopia

36.6297, 40.0188, 15.0263

Deuteranopia

40.5959, 39.8193, 18.6430



Tritanopia

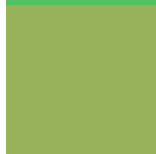
33.0432, 40.4128, 58.2834

Trichromacy



Original Color

24.9855, 40.6185, 17.5896



Protanomaly

30.5712, 39.1754, 15.8479



Deuteranomaly

32.1928, 38.5081, 18.0480



Tritanomaly

29.2876, 40.1196, 39.4579

Monochromacy



Original Color

24.9855, 40.6185, 17.5896



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.2368, 33.0340, 26.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9855, 40.6185, 17.5896 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(88, 192, 96)` looks like.

```
.text, #text, p{  
    color:rgb(88, 192, 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(88, 192, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 192, 96) }
```

Border

The CSS property to change the border of an element to XYZ 24.9855, 40.6185, 17.5896 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(88, 192, 96) }
```


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

```
.border{ border-color:rgb(88, 192, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 192, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 192, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 192, 96);  
box-shadow:4px 4px 4px 4px rgb(88, 192,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9855, 40.6185, 17.5896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 192, 96) }
```

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

```
.background{ background-color: rgb(88, 192,  
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](#).

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