

Converting Colors

XYZ(8.4162, 10.4348, 12.3252)

Have a look what the booklet for
XYZ(8.4162, 10.4348, 12.3252)
contains.

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Color

**XYZ(8.4546, 10.4656,
12.4009)**

Conversions

Conversions Part 1

Format	Color
Hex	40615F
RGB	64, 97, 95
RGB Percent	25%, 38%, 37%
CMY	0.7490, 0.6196, 0.6274
CMYK	0.34, 0.00, 0.02, 0.62
HSL	176°, 20%, 32%
HSV	176°, 34%, 38%
XYZ	8.4546, 10.4656, 12.4009
YIQ	86.9050, -19.0260, -7.6180

Conversions

Conversions Part 2

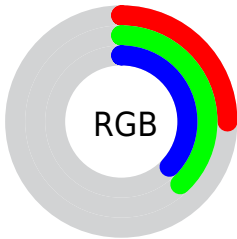
Format	Color
RYB	64, 81, 97
Decimal	4219231
CIELab	38.67, -12.43, -2.69
CIELCh	39, 12.719, 192.232
Yxy	10.4656, 0.2699, 0.3341
Android (android.graphics.Color)	4282409311 (0xFF40615F)
YUV	86.9050, 3.9908, -20.0877
Hunter-Lab	32.3506, -9.9638, -0.0821

Details

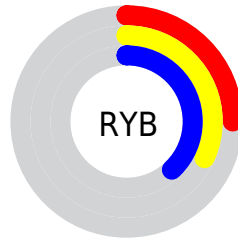
The XYZ color **8.4546, 10.4656, 12.4009** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.7469, 6.6018, 6.0207**, and the grayscale version is **9.0335, 9.5040, 10.3498**.

A 20% lighter version of the original color is **22.5108, 26.7349, 30.7620**, and **1.9694, 2.7086, 3.3247** is the 20% darker color. If you saturate the color by 10%, you get **7.8514, 10.1580, 12.2338**, and if you desaturate by 10%, it is **9.1684, 10.8308, 12.5747**.

Distribution



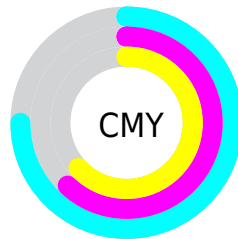
- Red (25%)
- Green (38%)
- Blue (37%)



- Red (25%)
- Yellow (32%)
- Blue (38%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)
- Black (62%)



- Cyan (75%)
- Magenta (62%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4546, 10.4656, 12.4009 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 8.4546, 10.4656, 12.4009 by changing the saturation by 10% instead.

8.4546, 10.4656,
12.4009

8.4546, 10.4656,
12.4009

173.5501,
193.9636, 218.1129

4.4414, 5.7087,
6.8915

22.5219, 26.6676,
30.8984

1.9548, 2.6688,
3.3169

33.3068, 38.8816,
44.7236

0.6084, 0.9614,
1.2586

47.0796, 54.3501,
62.1578

0.0000, 0.0000,
0.0275

64.2057, 73.4574,
83.6196

0.0000, 0.0000,
0.0000

85.0504, 96.5881,
109.5274

109.9792,

124.1264, 140.2999

139.3573,
156.4568, 176.3555

■ 8.4546, 10.4656,
12.4009

■ 8.4546, 10.4656,
12.4009

■ 7.8514, 10.1580,
12.2338

■ 9.1684, 10.8308,
12.5747

■ 7.3521, 9.9036,
12.0724

■ 9.9972, 11.2549,
12.7546

■ 6.9509, 9.6998,
11.9167

■ 10.9462, 11.7409,
12.9413

■ 6.6409, 9.5431,
11.7662

■ 12.0199, 12.2913,
13.1349

■ 6.4145, 9.4293,
11.6208

■ 13.2229, 12.9083,
13.3355

■ 6.2562, 9.3507,
11.4795

■ 14.5594, 13.5940,
13.5435

■ 6.1683, 9.3071,
11.3959

■ 16.0332, 14.3506,
13.7590

■ 17.6483, 15.1799,
13.9822

■ 19.4083, 16.0839,
14.2132

Harmonies

Analogous

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



8.4908, 10.4656, 10.0447



8.4546, 10.4656, 12.4009



8.8016, 10.4656, 14.7857

Triad

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



8.4546, 10.4656, 12.4009



11.0697, 10.4656, 15.1636



10.4469, 10.4656, 7.5425

Complementary

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



8.4546, 10.4656, 12.4009



7.7469, 6.6018, 6.0207

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.



11.1882, 10.4656, 8.5673



8.4546, 10.4656, 12.4009



11.5614, 10.4656, 12.8618

Square

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



8.4546, 10.4656, 12.4009



10.2924, 10.4656, 16.5244



11.6060, 10.4656, 10.4455



9.6098, 10.4656, 7.4552

Rectangle

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



8.4546, 10.4656, 12.4009



9.2155, 10.4656, 15.9840



11.6060, 10.4656, 10.4455



10.7167, 10.4656, 7.7813

Sweetspot

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



8.4549, 10.4660, 12.4011



17.7177, 19.5893, 21.9799



7.4607, 10.0852, 6.4041



4.3610, 4.8444, 5.4499



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



8.4549, 10.4660, 12.4011



13.6330, 17.5006, 21.0209



7.3427, 8.0941, 12.4851



2.6340, 2.8924, 3.2327



8.3864, 12.6606, 15.4732



44.6847, 67.5888, 82.0418

Inverse Universe

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



7.7469, 6.6018, 6.0207



12.2138, 9.7499, 8.2274



8.6013, 8.4034, 6.0194



2.5790, 2.5925, 2.7374



6.7448, 3.4728, 0.5102



35.9164, 18.5060, 2.1138

Previews

White Background



This preview shows how the XYZ color 8.4546, 10.4656, 12.4009 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 8.4546, 10.4656, 12.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

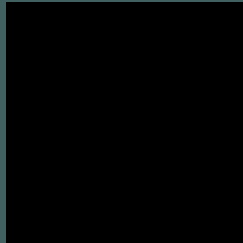
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.4546, 10.4656, 12.4009

Background



This preview shows how black text looks on a background with the XYZ color 8.4546, 10.4656, 12.4009.



This preview shows how white text looks on a background with the XYZ color 8.4546, 10.4656,

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

8.4546, 10.4656, 12.4009

Protanopia

9.9581, 10.3430, 11.3691

Deuteranopia

10.5772, 10.3839, 12.7561



Tritanopia

8.8778, 10.5033, 14.3914

Trichromacy



Original Color

8.4546, 10.4656, 12.4009

Protanomaly

9.3258, 10.3952, 11.6402

Deuteranomaly

9.5987, 10.2580, 12.5404

Tritanomaly

8.6631, 10.4097, 13.6093

Monochromacy



Original Color

8.4546, 10.4656, 12.4009

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.8110, 9.8826, 11.1160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4546, 10.4656, 12.4009 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(64, 97, 95)` looks like.

```
.text, #text, p{  
    color:rgb(64, 97, 95)  
}
```

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(64, 97, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 97, 95) }
```

Border

The CSS property to change the border of an element to XYZ 8.4546, 10.4656, 12.4009 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(64, 97, 95) }
```


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

```
.border{ border-color:rgb(64, 97, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 97, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 97, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 97, 95);  
box-shadow:4px 4px 4px 4px rgb(64, 97, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.4546, 10.4656, 12.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 97, 95) }
```

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

```
.background{ background-color: rgb(64, 97,  
95) }
```

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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