

Converting Colors

XYZ(12.6267, 12.4645, 15.6779)

Have a look what the booklet for
XYZ(12.6267, 12.4645, 15.6779)
contains.

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Color

**XYZ(12.5456, 12.3703,
15.6364)**

Conversions

Conversions Part 1

Format	Color
Hex	68606B
RGB	104, 96, 107
RGB Percent	41%, 38%, 42%
CMY	0.5922, 0.6235, 0.5804
CMYK	0.03, 0.10, 0.00, 0.58
HSL	284°, 5%, 40%
HSV	284°, 10%, 42%
XYZ	12.5456, 12.3703, 15.6364
YIQ	99.6460, 1.2370, 5.1170

Conversions

Conversions Part 2

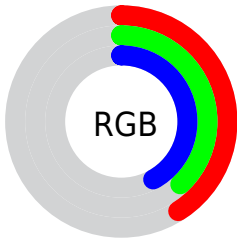
Format	Color
R _Y B	104, 96, 107
Decimal	6840427
CIE Lab	41.80, 5.45, -5.08
CIE LCh	42, 7.448, 316.983
Yxy	12.3703, 0.3094, 0.3050
Android (android.graphics.Color)	4285030507 (0xFF68606B)
YUV	99.6460, 3.6255, 3.8185
Hunter-Lab	35.1714, 2.1207, -1.7389

Details

The XYZ color **12.5456, 12.3703, 15.6364** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5151, 14.0129, 13.1121**, and the grayscale version is **12.0142, 12.6399, 13.7648**.

A 20% lighter version of the original color is **29.9680, 29.9950, 36.5579**, and **3.6436, 3.4773, 4.7541** is the 20% darker color. If you saturate the color by 10%, you get **11.3022, 10.3777, 15.3175**, and if you desaturate by 10%, it is **13.9343, 14.6358, 16.0007**.

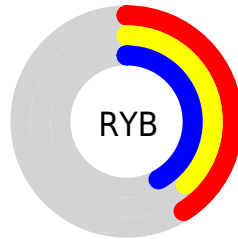
Distribution



Red (41%)

Green (38%)

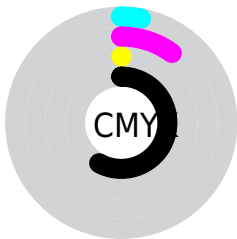
Blue (42%)



Red (41%)

Yellow (38%)

Blue (42%)

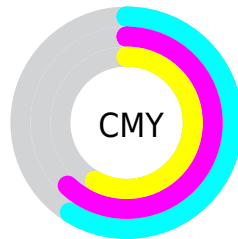


Cyan (3%)

Magenta (10%)

Yellow (0%)

Black (58%)



Cyan (59%)

Magenta (62%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5456, 12.3703, 15.6364 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 12.5456, 12.3703, 15.6364 by changing the saturation by 10% instead.

■ 12.5456, 12.3703,
15.6364

■ 12.5456, 12.3703,
15.6364

201.6816,
206.8416, 238.9585

■ 7.1912, 6.9964,
9.1157

■ 30.0933, 30.1678,
36.7238

■ 3.6294, 3.4598,
4.7189

■ 43.0173, 43.3601,
52.1275

■ 1.4947, 1.3763,
2.0274

■ 59.1953, 59.9274,
71.3293

■ 0.3222, 0.1991,
0.5721

■ 78.9926, 80.2540,
94.7478

■ 0.0000, 0.0000,
0.0000

102.7745,
104.7243, 122.8014

130.9064,

133.7228, 155.9087

163.7536,
167.6337, 194.4882

■ 12.5456, 12.3703,
15.6364

■ 12.5456, 12.3703,
15.6364

■ 11.3022, 10.3777,
15.3175

■ 13.9343, 14.6358,
16.0007

■ 10.1977, 8.6457,
15.0414

■ 15.4725, 17.1828,
16.4112

■ 9.2265, 7.1633,
14.8065

■ 17.1652, 20.0213,
16.8699

■ 8.3825, 5.9184,
14.6107

■ 19.0173, 23.1605,
17.3782

■ 7.6588, 4.8974,
14.4517

■ 21.0332, 26.6092,
17.9376

■ 7.0479, 4.0856,
14.3272

■ 23.2171, 30.3757,
18.5495

■ 6.5417, 3.4667,
14.2345

■ 25.5732, 34.4680,
19.2153

■ 6.1303, 3.0213,
14.1702

■ 28.1053, 38.8940,
19.9361

■ 5.7805, 2.6734,
14.1215

■ 30.8174, 43.6612,
20.7133

Harmonies

Analogous

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



12.0683, 12.3703, 16.5690



12.5456, 12.3703, 15.6364



12.8153, 12.3703, 14.1610

Triad

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



12.5456, 12.3703, 15.6364



11.9967, 12.3703, 10.7357



10.7776, 12.3703, 14.3707

Complementary

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



12.5456, 12.3703, 15.6364



12.5151, 14.0129, 13.1121

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.



10.7598, 12.3703, 12.8003



12.5456, 12.3703, 15.6364



11.4523, 12.3703, 10.7823

Square

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



12.5456, 12.3703, 15.6364



12.4918, 12.3703, 11.3795



11.0033, 12.3703, 11.5120



11.0527, 12.3703, 15.8002

Rectangle

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



12.5456, 12.3703, 15.6364



12.8357, 12.3703, 13.1053



11.0033, 12.3703, 11.5120



10.7416, 12.3703, 13.8396

Sweetspot

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



12.5460, 12.3708, 15.6367



24.2268, 25.0189, 28.4599



11.9511, 12.4946, 15.6919



5.8212, 5.9857, 6.8773



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.5460, 12.3708, 15.6367



21.9853, 21.3769, 27.8751



12.7768, 12.5041, 15.0019



3.1411, 3.1245, 3.8724



7.0025, 3.2370, 17.1780



34.8166, 16.0482, 87.4888

Inverse Universe

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



12.4988, 12.3929, 13.5383



21.8896, 21.4263, 23.4078



12.3047, 13.8916, 13.6837



3.1305, 3.1291, 3.4178



7.6372, 3.9070, 1.7179



38.5928, 19.7791, 7.0586

Previews

White Background



This preview shows how the XYZ color 12.5456, 12.3703, 15.6364 looks on a white background.

Color Contrast Check

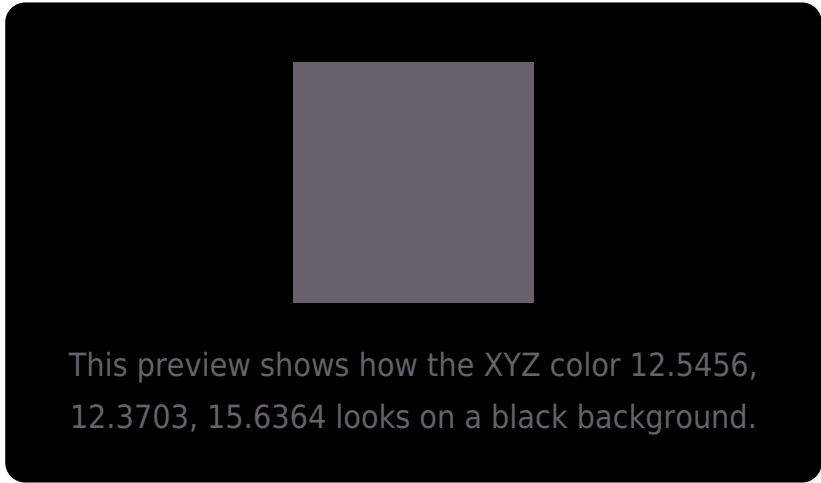
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.5456, 12.3703, 15.6364

Background



This preview shows how black text looks on a background with the XYZ color 12.5456, 12.3703, 15.6364.



This preview shows how white text looks on a background with the XYZ color 12.5456, 12.3703,

15.6364.

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

12.5456, 12.3703, 15.6364

Protanopia

12.1115, 12.4147, 15.9453

Deuteranopia

12.5456, 12.3703, 15.6364



Tritanopia

12.3905, 12.3083, 14.8194

Trichromacy



Original Color

12.5456, 12.3703, 15.6364

Protanomaly

12.2370, 12.3414, 15.9245

Deuteranomaly

12.5456, 12.3703, 15.6364

Tritanomaly

12.4416, 12.3287, 15.0885

Monochromacy



Original Color

12.5456, 12.3703, 15.6364

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2769, 12.6697, 14.6304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5456, 12.3703, 15.6364 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(104, 96, 107)` looks like.

```
.text, #text, p{  
    color:rgb(104, 96, 107)  
}
```

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(104, 96, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 96, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.5456, 12.3703, 15.6364 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(104, 96, 107) }
```


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

```
.border{ border-color:rgb(104, 96, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 96, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 96, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 96, 107);  
box-shadow:4px 4px 4px 4px rgb(104, 96,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5456, 12.3703, 15.6364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 96, 107) }
```

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

```
.background{ background-color: rgb(104, 96,  
107) }
```

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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