

Converting Colors

XYZ(12.3627, 11.3662, 17.6527)

Have a look what the booklet for
XYZ(12.3627, 11.3662, 17.6527)
contains.

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Color

**XYZ(12.3758, 11.3256,
17.7534)**

Conversions

Conversions Part 1

Format	Color
Hex	685973
RGB	104, 89, 115
RGB Percent	41%, 35%, 45%
CMY	0.5922, 0.6510, 0.5490
CMYK	0.10, 0.23, 0.00, 0.55
HSL	275°, 13%, 40%
HSV	275°, 23%, 45%
XYZ	12.3758, 11.3256, 17.7534
YIQ	96.4490, 0.5940, 11.2660

Conversions

Conversions Part 2

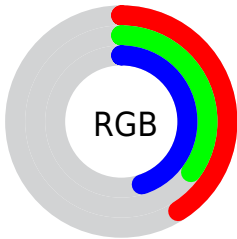
Format	Color
R_{YB}	104, 89, 115
Decimal	6838643
CIE _{Lab}	40.12, 11.51, -12.50
CIE _{LCh}	40, 16.992, 312.651
Yxy	11.3256, 0.2985, 0.2732
Android (android.graphics.Color)	4285028723 (0xFF685973)
YUV	96.4490, 9.1456, 6.6222
Hunter-Lab	33.6535, 6.7482, -7.7201

Details

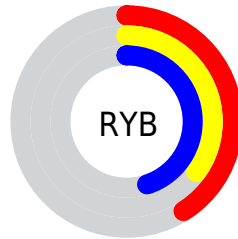
The XYZ color **12.3758, 11.3256, 17.7534** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **13.1898, 15.6923, 11.7854**, and the grayscale version is **11.2060, 11.7896, 12.8388**.

A 20% lighter version of the original color is **29.7252, 28.2238, 40.4403**, and **3.5643, 3.0029, 5.7019** is the 20% darker color. If you saturate the color by 10%, you get **10.9441, 9.2764, 17.4335**, and if you desaturate by 10%, it is **13.9903, 13.6916, 18.1252**.

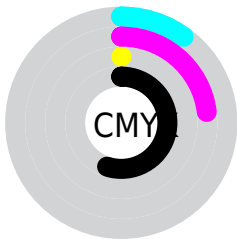
Distribution



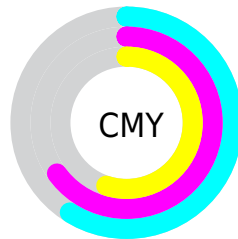
- Red (41%)
- Green (35%)
- Blue (45%)



- Red (41%)
- Yellow (35%)
- Blue (45%)



- Cyan (10%)
- Magenta (23%)
- Yellow (0%)
- Black (55%)



- Cyan (59%)
- Magenta (65%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3758, 11.3256, 17.7534 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 12.3758, 11.3256, 17.7534 by changing the saturation by 10% instead.

■ 12.3758, 11.3256,
17.7534

■ 12.3758, 11.3256,
17.7534

200.5971,
199.8879, 251.6667

■ 7.0742, 6.2863,
10.6055

■ 29.7887, 28.2607,
40.4249

■ 3.5553, 3.0199,
5.6914

■ 42.6306, 40.9253,
56.7856

■ 1.4538, 1.1421,
2.5926

■ 58.7167, 56.9004,
77.0543

■ 0.2940, 0.0137,
0.8886

■ 78.4124, 76.5705,
101.6495

■ 0.0000, 0.0000,
0.0000

■ 102.0829,
100.3198, 130.9898

130.0936,

128.5330, 165.4938

162.8099,
161.5942, 205.5799

■ 12.3758, 11.3256,
17.7534

■ 12.3758, 11.3256,
17.7534

■ 10.9441, 9.2764,
17.4335

■ 13.9903, 13.6916,
18.1252

■ 9.6867, 7.5285,
17.1624

■ 15.7936, 16.3862,
18.5502

■ 8.5960, 6.0671,
16.9378

■ 17.7926, 19.4222,
19.0309

■ 7.6631, 4.8755,
16.7570

■ 19.9936, 22.8116,
19.5691

■ 6.8785, 3.9355,
16.6169

■ 22.4026, 26.5656,
20.1667

■ 6.2314, 3.2263,
16.5141

■ 25.0254, 30.6948,
20.8255

■ 5.7085, 2.7223,
16.4444

■ 27.8673, 35.2095,
21.5471

■ 5.3647, 2.4081,
16.4019

■ 30.9337, 40.1196,
22.3333

■ 34.2296, 45.4346,
23.1855

Harmonies

Analogous

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



11.2691, 11.3256, 19.8184



12.3758, 11.3256, 17.7534



13.0782, 11.3256, 14.3721

Triad

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



12.3758, 11.3256, 17.7534



11.4553, 11.3256, 7.1121



8.6996, 11.3256, 13.8098

Complementary

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



12.3758, 11.3256, 17.7534



13.1898, 15.6923, 11.7854

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.



8.7414, 11.3256, 10.4941



12.3758, 11.3256, 17.7534



10.2755, 11.3256, 7.0170

Square

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



12.3758, 11.3256, 17.7534



12.5207, 11.3256, 8.4331



9.2998, 11.3256, 8.1441



9.1810, 11.3256, 17.2775

Rectangle

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



12.3758, 11.3256, 17.7534



13.1933, 11.3256, 12.0337



9.2998, 11.3256, 8.1441



8.6540, 11.3256, 12.6345

Sweetspot

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



12.3762, 11.3261, 17.7536



26.7606, 27.0594, 32.8571



11.7975, 12.5277, 18.0161



6.3531, 6.4091, 7.8312



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.3762, 11.3261, 17.7536



20.8133, 18.3395, 31.4874



13.6386, 11.9883, 17.2969



3.6840, 3.6844, 4.6072



6.1080, 2.7401, 18.7495



28.7712, 12.8406, 91.3224

Inverse Universe

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



12.9432, 11.7101, 13.6351



22.0498, 19.1744, 22.6226



12.1278, 15.1363, 12.1202



3.7423, 3.7242, 4.1696



8.6978, 4.4128, 3.6169



41.9759, 21.3405, 15.4686

Previews

White Background



This preview shows how the XYZ color 12.3758, 11.3256, 17.7534 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 12.3758, 11.3256, 17.7534 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 12.3758, 11.3256, 17.7534

Background



This preview shows how black text looks on a background with the XYZ color 12.3758, 11.3256, 17.7534.



This preview shows how white text looks on a background with the XYZ color 12.3758, 11.3256,

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

12.3758, 11.3256, 17.7534

Protanopia

11.3925, 11.4373, 18.7467

Deuteranopia

11.5677, 11.4233, 17.5148



Tritanopia

11.4461, 11.3218, 13.3864

Trichromacy



Original Color

12.3758, 11.3256, 17.7534

Protanomaly

11.6541, 11.3183, 18.4000

Deuteranomaly

11.9014, 11.4659, 17.5054

Tritanomaly

11.7704, 11.3269, 14.9305

Monochromacy



Original Color

12.3758, 11.3256, 17.7534

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.5081, 11.4606, 14.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3758, 11.3256, 17.7534 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, 89, 115)` looks like.

```
.text, #text, p{  
    color:rgb(104, 89, 115)  
}
```

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, 89, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 89, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.3758, 11.3256, 17.7534 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, 89, 115) }
```


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

```
.border{ border-color:rgb(104, 89, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 89, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 89, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 89, 115);  
box-shadow:4px 4px 4px 4px rgb(104, 89,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3758, 11.3256, 17.7534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 89, 115) }
```

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

```
.background{ background-color: rgb(104, 89,  
115) }
```

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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