

Converting Colors

XYZ(12.6529, 12.2339, 17.0567)

Have a look what the booklet for
XYZ(12.6529, 12.2339, 17.0567)
contains.

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Color

**XYZ(12.6104, 12.2378,
17.0267)**

Conversions

Conversions Part 1

Format	Color
Hex	675F70
RGB	103, 95, 112
RGB Percent	40%, 37%, 44%
CMY	0.5961, 0.6274, 0.5608
CMYK	0.08, 0.15, 0.00, 0.56
HSL	268°, 8%, 41%
HSV	268°, 15%, 44%
XYZ	12.6104, 12.2378, 17.0267
YIQ	99.3300, -0.6890, 6.9830

Conversions

Conversions Part 2

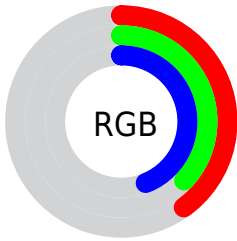
Format	Color
RYB	103, 95, 112
Decimal	6774640
CIELab	41.59, 6.78, -8.45
CIELCh	42, 10.835, 308.710
Yxy	12.2378, 0.3011, 0.2922
Android (android.graphics.Color)	4284964720 (0xFF675F70)
YUV	99.3300, 6.2463, 3.2186
Hunter-Lab	34.9826, 3.1256, -4.3698

Details

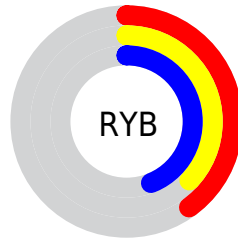
The XYZ color **12.6104, 12.2378, 17.0267** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5689, 15.3578, 13.0762**, and the grayscale version is **11.9281, 12.5493, 13.6662**.

A 20% lighter version of the original color is **30.1527, 29.8012, 39.2849**, and **3.6546, 3.4075, 5.3156** is the 20% darker color. If you saturate the color by 10%, you get **11.0171, 10.0252, 16.6838**, and if you desaturate by 10%, it is **14.3977, 14.7665, 17.4208**.

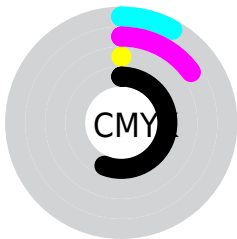
Distribution



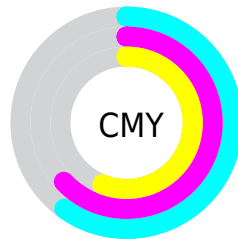
- Red (40%)
- Green (37%)
- Blue (44%)



- Red (40%)
- Yellow (37%)
- Blue (44%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (63%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6104, 12.2378, 17.0267 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 12.6104, 12.2378, 17.0267 by changing the saturation by 10% instead.

■ 12.6104, 12.2378,
17.0267

■ 12.6104, 12.2378,
17.0267

202.0939,
205.9733, 247.3754

■ 7.2360, 6.9058,
10.0914

■ 30.2094, 29.9275,
39.1630

■ 3.6577, 3.4033,
5.3532

■ 43.1646, 43.0540,
55.2010

■ 1.5104, 1.3457,
2.3936

■ 59.3775, 59.5475,
75.1103

■ 0.3329, 0.1762,
0.7830

■ 79.2133, 79.7923,
99.3094

■ 0.0000, 0.0000,
0.0000

103.0376,
104.1729, 128.2170

131.2155,

133.0737, 162.2515

164.1125,
166.8790, 201.8314

■ 12.6104, 12.2378,
17.0267

■ 12.6104, 12.2378,
17.0267

■ 11.0171, 10.0252,
16.6838

■ 14.3977, 14.7665,
17.4208

■ 9.6097, 8.1142,
16.3891

■ 16.3848, 17.6217,
17.8672

■ 8.3807, 6.4917,
16.1407

■ 18.5783, 20.8155,
18.3680

■ 7.3221, 5.1429,
15.9362

■ 20.9844, 24.3587,
18.9251

■ 6.4249, 4.0514,
15.7728

■ 23.6090, 28.2618,
19.5401

■ 5.6793, 3.1994,
15.6476

■ 26.4576, 32.5345,
20.2147

■ 5.0742, 2.5665,
15.5573

■ 29.5357, 37.1866,
20.9504

■ 4.5901, 2.1155,
15.4958

■ 32.8485, 42.2271,
21.7487

■ 4.3776, 1.9189,
15.4691

■ 36.4011, 47.6651,
22.6111

Harmonies

Analogous

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



11.8638, 12.2378, 18.1184



12.6104, 12.2378, 17.0267



13.1093, 12.2378, 14.9723

Triad

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



12.6104, 12.2378, 17.0267



12.1935, 12.2378, 9.6598



10.1902, 12.2378, 13.9964

Complementary

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



12.6104, 12.2378, 17.0267



13.5689, 15.3578, 13.0762

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.



10.2695, 12.2378, 11.8030



12.6104, 12.2378, 17.0267



11.4025, 12.2378, 9.4615

Square

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



12.6104, 12.2378, 17.0267



12.8611, 12.2378, 10.7789



10.7049, 12.2378, 10.2027



10.4832, 12.2378, 16.2432

Rectangle

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



12.6104, 12.2378, 17.0267



13.2218, 12.2378, 13.4233



10.7049, 12.2378, 10.2027



10.1744, 12.2378, 13.2269

Sweetspot

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



12.6108, 12.2383, 17.0270



25.3084, 25.9627, 30.6072



12.6013, 13.5172, 17.2743



6.0370, 6.1758, 7.3436



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.6108, 12.2383, 17.0270



21.1946, 20.1586, 29.7037



13.6273, 12.7624, 17.0745



3.3530, 3.3702, 4.2280



5.0345, 2.2048, 17.8818



24.0990, 10.4778, 89.0314

Inverse Universe

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



13.2733, 12.6291, 14.8350



22.5942, 20.9843, 25.0634



12.6385, 14.8782, 13.0326



3.4514, 3.4283, 3.9037



8.6347, 4.3463, 5.1523



42.5743, 21.4751, 23.3544

Previews

White Background



This preview shows how the XYZ color 12.6104, 12.2378, 17.0267 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 12.6104, 12.2378, 17.0267 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 12.6104, 12.2378, 17.0267

Background



This preview shows how black text looks on a background with the XYZ color 12.6104, 12.2378, 17.0267.



This preview shows how white text looks on a background with the XYZ color 12.6104, 12.2378,

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

12.6104, 12.2378, 17.0267

Protanopia

12.0313, 12.1972, 17.6398

Deuteranopia

12.4743, 12.3023, 17.0463



Tritanopia

12.1611, 12.1900, 14.8087

Trichromacy



Original Color

12.6104, 12.2378, 17.0267

Protanomaly

12.2005, 12.1547, 17.3258

Deuteranomaly

12.5870, 12.3604, 17.0516

Tritanomaly

12.3162, 12.2521, 15.6257

Monochromacy



Original Color

12.6104, 12.2378, 17.0267

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1219, 12.4442, 14.8598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6104, 12.2378, 17.0267 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(103, 95, 112)` looks like.

```
.text, #text, p{  
    color:rgb(103, 95, 112)  
}
```

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(103, 95, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 95, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.6104, 12.2378, 17.0267 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(103, 95, 112) }
```


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

```
.border{ border-color:rgb(103, 95, 112) }
```

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

Here you see how a box with a 4 pixel rgb(103, 95, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 95, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 95, 112);  
box-shadow:4px 4px 4px 4px rgb(103, 95,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6104, 12.2378, 17.0267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 95, 112) }
```

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

```
.background{ background-color: rgb(103, 95,  
112) }
```

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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