

Converting Colors

XYZ(12.3575, 11.2510, 16.5528)

Have a look what the booklet for
XYZ(12.3575, 11.2510, 16.5528)
contains.

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Color

**XYZ(12.3028, 11.1913,
16.5506)**

Conversions

Conversions Part 1

Format	Color
Hex	6A586F
RGB	106, 88, 111
RGB Percent	42%, 35%, 44%
CMY	0.5843, 0.6549, 0.5647
CMYK	0.05, 0.21, 0.00, 0.56
HSL	287°, 12%, 39%
HSV	287°, 21%, 44%
XYZ	12.3028, 11.1913, 16.5506
YIQ	96.0040, 3.3450, 10.9690

Conversions

Conversions Part 2

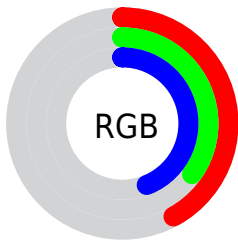
Format	Color
R_{YB}	106, 88, 111
Decimal	6969455
CIE _{Lab}	39.90, 11.97, -10.36
CIE _{LCh}	40, 15.831, 319.142
Yxy	11.1913, 0.3072, 0.2795
Android (android.graphics.Color)	4285159535 (0xFF6A586F)
YUV	96.0040, 7.3930, 8.7665
Hunter-Lab	33.4534, 7.1016, -5.9155

Details

The XYZ color **12.3028, 11.1913, 16.5506** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9605, 14.4009, 11.3823**, and the grayscale version is **11.1015, 11.6797, 12.7191**.

A 20% lighter version of the original color is **29.6040, 27.9894, 38.4925**, and **3.4701, 2.9144, 5.0823** is the 20% darker color. If you saturate the color by 10%, you get **11.1775, 9.3603, 16.2567**, and if you desaturate by 10%, it is **13.5756, 13.3050, 16.8917**.

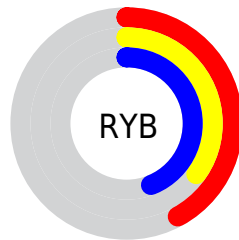
Distribution



Red (42%)

Green (35%)

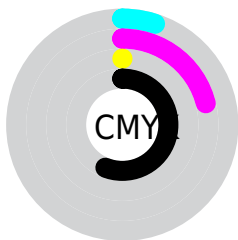
Blue (44%)



Red (42%)

Yellow (35%)

Blue (44%)

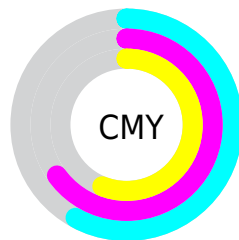


Cyan (5%)

Magenta (21%)

Yellow (0%)

Black (56%)



Cyan (58%)

Magenta (65%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3028, 11.1913, 16.5506 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 12.3028, 11.1913, 16.5506 by changing the saturation by 10% instead.

■ 12.3028, 11.1913,
16.5506

■ 12.3028, 11.1913,
16.5506

200.1290,
198.9753, 244.5248

■ 7.0239, 6.1957,
9.7560

■ 29.6575, 28.0134,
38.3315

■ 3.5235, 2.9644,
5.1340

■ 42.4640, 40.6086,
54.1549

■ 1.4363, 1.1132,
2.2660

■ 58.5105, 56.5058,
73.8250

■ 0.2819, 0.0000,
0.7121

■ 78.1622, 76.0894,
97.7603

■ 0.0000, 0.0000,
0.0000

■ 101.7845, 99.7437,
126.3794

129.7429,

127.8532, 160.1008

162.4026,
160.8023, 199.3431

■ 12.3028, 11.1913,
16.5506

■ 12.3028, 11.1913,
16.5506

■ 11.1775, 9.3603,
16.2567

■ 13.5756, 13.3050,
16.8917

■ 10.1923, 7.7979,
16.0070

■ 15.0009, 15.7116,
17.2811

■ 9.3409, 6.4911,
15.7997

■ 16.5845, 18.4228,
17.7209

■ 8.6158, 5.4253,
15.6321

■ 18.3317, 21.4490,
18.2129

■ 8.0088, 4.5842,
15.5018

■ 20.2476, 24.8001,
18.7588

7.5109, 3.9497,
15.4056

22.3370, 28.4858,
19.3601

7.1114, 3.5006,
15.3399

24.6046, 32.5153,
20.0183

6.7875, 3.1676,
15.2927

27.0547, 36.8972,
20.7350

29.6916, 41.6401,
21.5115

Harmonies

Analogous

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



11.3394, 11.1913, 18.7835



12.3028, 11.1913, 16.5506



12.8317, 11.1913, 13.3519

Triad

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



12.3028, 11.1913, 16.5506



11.0368, 11.1913, 7.1886



8.7767, 11.1913, 14.2623

Complementary

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



12.3028, 11.1913, 16.5506



11.9605, 14.4009, 11.3823

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.



8.7080, 11.1913, 11.0890



12.3028, 11.1913, 16.5506



9.9642, 11.1913, 7.3477

Square

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



12.3028, 11.1913, 16.5506



12.0683, 11.1913, 8.1849



9.1288, 11.1913, 8.6644



9.3236, 11.1913, 17.3143

Rectangle

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



12.3028, 11.1913, 16.5506



12.8441, 11.1913, 11.2561



9.1288, 11.1913, 8.6644



8.6984, 11.1913, 13.1645

Sweetspot

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



12.3031, 11.1918, 16.5508



25.4373, 25.7214, 30.5538



10.8408, 11.1161, 16.6133



6.0829, 6.1318, 7.3327



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.



12.3031, 11.1918, 16.5508



20.9983, 18.3516, 29.3653



12.5885, 11.3766, 14.8614



3.4469, 3.4187, 4.2324



7.9761, 3.7213, 18.0195



38.9821, 18.1504, 89.7279

Inverse Universe

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



12.0214, 11.1497, 11.8750



20.4145, 18.2738, 19.2538



11.7357, 14.2544, 12.7544



3.4115, 3.4123, 3.6935



7.9120, 4.0572, 1.3466



39.1419, 20.1021, 5.2793

Previews

White Background



This preview shows how the XYZ color 12.3028, 11.1913, 16.5506 looks on a white background.

Color Contrast Check

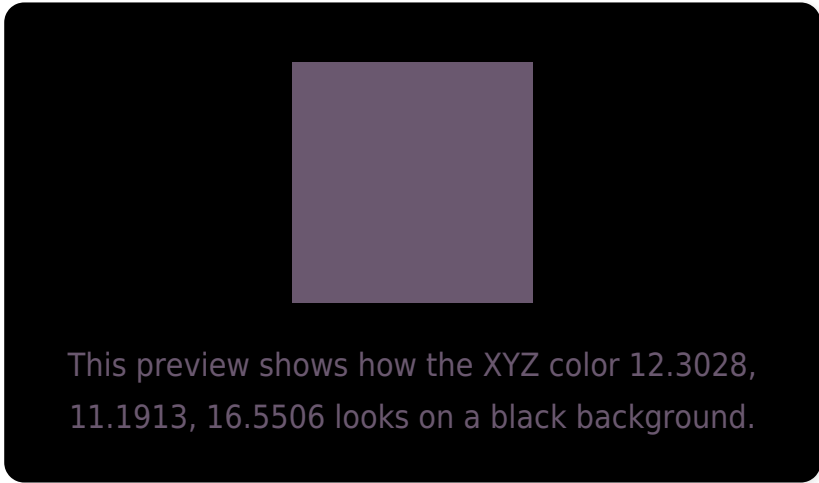
Large Text (above 18pt) WCAG AA ✓ Pass

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

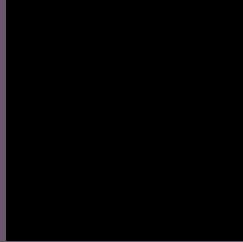
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3028, 11.1913, 16.5506

Background



This preview shows how black text looks on a background with the XYZ color 12.3028, 11.1913, 16.5506.



This preview shows how white text looks on a background with the XYZ color 12.3028, 11.1913,

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

12.3028, 11.1913, 16.5506

Protanopia

11.1287, 11.1904, 17.7931

Deuteranopia

11.3609, 11.2130, 16.3174



Tritanopia

11.5228, 11.1185, 12.8480

Trichromacy



Original Color

12.3028, 11.1913, 16.5506

Protanomaly

11.4977, 11.1300, 17.4619

Deuteranomaly

11.7011, 11.2606, 16.3086

Tritanomaly

11.7963, 11.1073, 14.0926

Monochromacy



Original Color

12.3028, 11.1913, 16.5506

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.5188, 11.4776, 13.9202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3028, 11.1913, 16.5506 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(106, 88, 111)` looks like.

```
.text, #text, p{  
    color:rgb(106, 88, 111)  
}
```

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(106, 88, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 88, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.3028, 11.1913, 16.5506 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(106, 88, 111) }
```


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

```
.border{ border-color:rgb(106, 88, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 88, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 88, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 88, 111);  
box-shadow:4px 4px 4px 4px rgb(106, 88,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3028, 11.1913, 16.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 88, 111) }
```

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

```
.background{ background-color: rgb(106, 88,  
111) }
```

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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