

Converting Colors

XYZ(12.7939, 15.6718, 10.3980)

Have a look what the booklet for
XYZ(12.7939, 15.6718, 10.3980)
contains.

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Color

**XYZ(12.8054, 15.6966,
10.3375)**

Conversions

Conversions Part 1

Format	Color
Hex	627452
RGB	98, 116, 82
RGB Percent	38%, 45%, 32%
CMY	0.6157, 0.5451, 0.6784
CMYK	0.16, 0.00, 0.29, 0.55
HSL	92°, 17%, 39%
HSV	92°, 29%, 45%
XYZ	12.8054, 15.6966, 10.3375
YIQ	106.7420, 0.1860, -14.3900

Conversions

Conversions Part 2

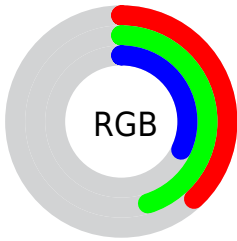
Format	Color
RYB	82, 116, 100
Decimal	6452306
CIELab	46.57, -13.39, 16.65
CIElCh	47, 21.365, 128.815
Yxy	15.6966, 0.3297, 0.4041
Android (android.graphics.Color)	4284642386 (0xFF627452)
YUV	106.7420, -12.1978, -7.6667
Hunter-Lab	39.6189, -11.6394, 12.2631

Details

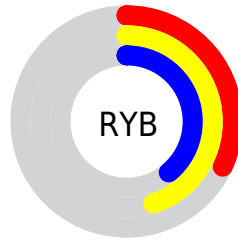
The XYZ color **12.8054, 15.6966, 10.3375** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.4258, 10.0053, 17.8528**, and the grayscale version is **13.9367, 14.6625, 15.9674**.

A 20% lighter version of the original color is **30.5619, 36.0608, 27.1794**, and **3.7663, 4.9716, 2.5114** is the 20% darker color. If you saturate the color by 10%, you get **11.7634, 15.2067, 8.1761**, and if you desaturate by 10%, it is **13.9737, 16.2440, 12.8951**.

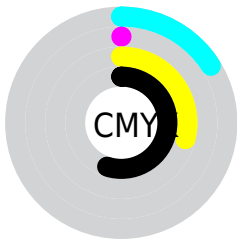
Distribution



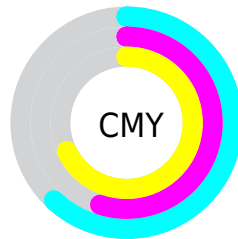
- Red (38%)
- Green (45%)
- Blue (32%)



- Red (32%)
- Yellow (45%)
- Blue (39%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (55%)



- Cyan (62%)
- Magenta (55%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8054, 15.6966, 10.3375 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 12.8054, 15.6966, 10.3375 by changing the saturation by 10% instead.

■ 12.8054, 15.6966,
10.3375

■ 12.8054, 15.6966,
10.3375

203.3296,
227.5447, 203.6357

■ 7.3708, 9.3097,
5.5148

■ 30.5580, 36.0707,
27.0461

■ 3.7434, 4.9437,
2.4884

■ 43.6067, 50.8267,
39.7690

■ 1.5580, 2.2143,
0.8340

■ 59.9241, 69.1411,
55.9624

■ 0.3648, 0.7278,
0.0000

■ 79.8757, 91.3985,
76.0449

■ 0.0000, 0.0000,
0.0000

■ 103.8266,
117.9832, 100.4349

132.1423,

149.2795, 129.5510

165.1882,
185.6719, 163.8118

■ 12.8054, 15.6966,
10.3375

■ 12.8054, 15.6966,
10.3375

■ 11.7634, 15.2067,
8.1761

■ 13.9737, 16.2440,
12.8951

■ 10.8417, 14.7701,
6.3901

■ 15.2717, 16.8487,
15.8663

■ 10.0354, 14.3853,
4.9583

■ 16.7041, 17.5133,
19.2687

■ 9.3387, 14.0498,
3.8569

■ 18.2751, 18.2396,
23.1186

■ 8.7454, 13.7610,
3.0594

■ 19.9886, 19.0293,
27.4314

■ 8.2483, 13.5158,
2.5349

■ 21.8484, 19.8839,
32.2219

■ 7.8261, 13.3056,
2.1787

■ 23.8580, 20.8050,
37.5041

■ 7.7986, 13.2919,
2.1546

■ 26.0209, 21.7942,
43.2915

■ 28.3406, 22.8529,
49.5969

Harmonies

Analogous

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



14.3824, 15.6966, 8.8927



12.8054, 15.6966, 10.3375



11.8516, 15.6966, 13.6780

Triad

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



12.8054, 15.6966, 10.3375



13.6743, 15.6966, 28.4141



18.7040, 15.6966, 15.5816

Complementary

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



12.8054, 15.6966, 10.3375



11.4258, 10.0053, 17.8528

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.



18.4751, 15.6966, 21.0290



12.8054, 15.6966, 10.3375



15.4691, 15.6966, 29.2161

Square

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



12.8054, 15.6966, 10.3375



12.3237, 15.6966, 24.2780



17.2536, 15.6966, 26.2858



17.8556, 15.6966, 11.4839

Rectangle

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



12.8054, 15.6966, 10.3375



11.6479, 15.6966, 16.8819



17.2536, 15.6966, 26.2858



18.7518, 15.6966, 17.3017

Sweetspot

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



12.8058, 15.6973, 10.3378



26.8636, 29.6249, 27.9352



13.2417, 13.3542, 9.8626



6.3408, 7.0359, 6.5063



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.



12.8058, 15.6973, 10.3378



21.2802, 27.0139, 15.5966



11.2702, 14.9031, 10.3790



3.7893, 4.1748, 3.9484



8.7303, 14.9050, 2.4168



41.5705, 72.1322, 11.7319

Inverse Universe

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



11.4258, 10.0053, 17.8528



18.4455, 15.3238, 31.0301



13.3398, 10.9958, 17.7708



3.6684, 3.6764, 4.6065



5.7047, 2.5322, 18.7307



26.8035, 11.8262, 91.2303

Previews

White Background



This preview shows how the XYZ color 12.8054, 15.6966, 10.3375 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 12.8054, 15.6966, 10.3375 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 12.8054, 15.6966, 10.3375

Background



This preview shows how black text looks on a background with the XYZ color 12.8054, 15.6966, 10.3375.



This preview shows how white text looks on a background with the XYZ color 12.8054, 15.6966,

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

12.8054, 15.6966, 10.3375

Protanopia

14.5950, 15.6383, 9.6464

Deuteranopia

15.8075, 15.6153, 10.5684



Tritanopia

14.7835, 15.6680, 20.0144

Trichromacy



Original Color

12.8054, 15.6966, 10.3375

Protanomaly

13.7977, 15.5470, 9.8631

Deuteranomaly

14.6085, 15.6279, 10.4302

Tritanomaly

13.9861, 15.6756, 15.9242

Monochromacy



Original Color

12.8054, 15.6966, 10.3375

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4895, 14.9768, 13.7351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8054, 15.6966, 10.3375 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(98, 116, 82) looks like.

```
.text, #text, p{  
    color:rgb(98, 116, 82)  
}
```

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(98, 116, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 116, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.8054, 15.6966, 10.3375 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(98, 116, 82) }
```


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

```
.border{ border-color:rgb(98, 116, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 116, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 116, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 116, 82);  
box-shadow:4px 4px 4px 4px rgb(98, 116,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8054, 15.6966, 10.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 116, 82) }
```

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

```
.background{ background-color: rgb(98, 116,  
82) }
```

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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