

Converting Colors

XYZ(13.0442, 12.1497, 18.1950)

Have a look what the booklet for
XYZ(13.0442, 12.1497, 18.1950)
contains.

XYZ(13.0106, 12.1538, 18.1832)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0106, 12.1538,
18.1832)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5D74
RGB	106, 93, 116
RGB Percent	42%, 36%, 45%
CMY	0.5843, 0.6353, 0.5451
CMYK	0.09, 0.20, 0.00, 0.55
HSL	274°, 11%, 41%
HSV	274°, 20%, 45%
XYZ	13.0106, 12.1538, 18.1832
YIQ	99.5090, 0.3650, 9.9090

Conversions

Conversions Part 2

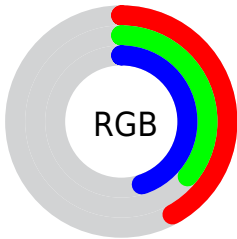
Format	Color
R_{YB}	106, 93, 116
Decimal	6970740
CIE _{Lab}	41.46, 10.01, -11.07
CIE _{LCh}	41, 14.927, 312.138
Yxy	12.1538, 0.3001, 0.2804
Android (android.graphics.Color)	4285160820 (0xFF6A5D74)
YUV	99.5090, 8.1301, 5.6926
Hunter-Lab	34.8623, 5.6071, -6.5204

Details

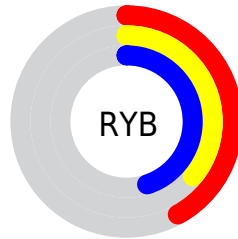
The XYZ color **13.0106, 12.1538, 18.1832** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.8151, 16.1650, 12.7485**, and the grayscale version is **11.9686, 12.5919, 13.7126**.

A 20% lighter version of the original color is **30.7950, 29.6402, 41.1438**, and **3.8635, 3.3802, 5.9177** is the 20% darker color. If you saturate the color by 10%, you get **11.4869, 9.9700, 17.8422**, and if you desaturate by 10%, it is **14.7248, 14.6657, 18.5779**.

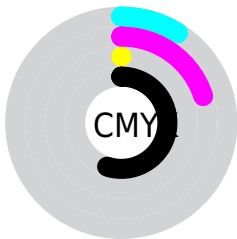
Distribution



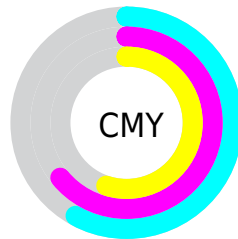
- Red (42%)
- Green (36%)
- Blue (45%)



- Red (42%)
- Yellow (36%)
- Blue (45%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (55%)



- Cyan (58%)
- Magenta (64%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0106, 12.1538, 18.1832 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 13.0106, 12.1538, 18.1832 by changing the saturation by 10% instead.

■ 13.0106, 12.1538,
18.1832

■ 13.0106, 12.1538,
18.1832

204.6218,
205.4208, 254.1723

■ 7.5129, 6.8485,
10.9108

■ 30.9240, 29.7749,
41.1674

■ 3.8340, 3.3675,
5.8935

■ 44.0704, 42.8595,
57.7163

■ 1.6087, 1.3265,
2.7127

■ 60.4970, 59.3060,
78.1944

■ 0.3981, 0.1616,
0.9498

■ 80.5693, 79.4988,
103.0202

■ 0.0000, 0.0000,
0.0000

104.6526,
103.8223, 132.6124

133.1122,

132.6609, 167.3895

166.3135,
166.3989, 207.7699

■ 13.0106, 12.1538,
18.1832

■ 13.0106, 12.1538,
18.1832

■ 11.4869, 9.9700,
17.8422

■ 14.7248, 14.6657,
18.5779

■ 10.1450, 8.0987,
17.5517

■ 16.6354, 17.5175,
19.0276

■ 8.9773, 6.5251,
17.3095

■ 18.7495, 20.7223,
19.5348

■ 7.9749, 5.2325,
17.1129

■ 21.0735, 24.2920,
20.1013

■ 7.1283, 4.2029,
16.9587

■ 23.6135, 28.2378,
20.7291

■ 6.4267, 3.4157,
16.8438

■ 26.3753, 32.5708,
21.4199

■ 5.8578, 2.8473,
16.7640

■ 29.3644, 37.3011,
22.1754

■ 5.3780, 2.4116,
16.7052

■ 32.5862, 42.4389,
22.9973

■ 5.3700, 2.4042,
16.7042

■ 36.0460, 47.9937,
23.8871

Harmonies

Analogous

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



11.9966, 12.1538, 19.9853



13.0106, 12.1538, 18.1832



13.6561, 12.1538, 15.1543

Triad

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



13.0106, 12.1538, 18.1832



12.2044, 12.1538, 8.3174



9.6278, 12.1538, 14.5315

Complementary

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



13.0106, 12.1538, 18.1832



13.8151, 16.1650, 12.7485

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.



9.6757, 12.1538, 11.4821



13.0106, 12.1538, 18.1832



11.1182, 12.1538, 8.2045

Square

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



13.0106, 12.1538, 18.1832



13.1709, 12.1538, 9.6121



10.2064, 12.1538, 9.2749



10.0712, 12.1538, 17.6662

Rectangle

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



13.0106, 12.1538, 18.1832



13.7673, 12.1538, 13.0115



10.2064, 12.1538, 9.2749



9.5878, 12.1538, 13.4579

Sweetspot

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



13.0110, 12.1543, 18.1835



27.0763, 27.5505, 32.9352



12.5521, 13.3588, 18.4401



6.4217, 6.5164, 7.8483



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.



13.0110, 12.1543, 18.1835



21.5489, 19.4587, 31.6647



14.2030, 12.7765, 17.8922



3.6802, 3.6824, 4.6071



6.0048, 2.6869, 18.7447



28.2660, 12.5801, 91.2987

Inverse Universe

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



13.5654, 12.5215, 14.5343



22.7487, 20.2516, 23.8436



12.7871, 15.6291, 12.9683



3.7439, 3.7249, 4.1783



8.7304, 4.4259, 3.7887



42.1303, 21.4022, 16.2812

Previews

White Background



This preview shows how the XYZ color 13.0106, 12.1538, 18.1832 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 13.0106, 12.1538, 18.1832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

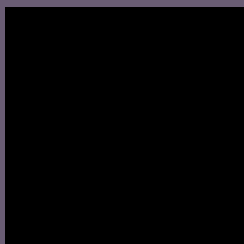
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0106, 12.1538, 18.1832

Background



This preview shows how black text looks on a background with the XYZ color 13.0106, 12.1538, 18.1832.



This preview shows how white text looks on a background with the XYZ color 13.0106, 12.1538,

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

13.0106, 12.1538, 18.1832

Protanopia

12.1187, 12.2085, 19.1705

Deuteranopia

12.4230, 12.2562, 17.9306



Tritanopia

12.2493, 12.1067, 14.5232

Trichromacy



Original Color

13.0106, 12.1538, 18.1832

Protanomaly

12.4899, 12.2704, 18.8497

Deuteranomaly

12.6662, 12.2470, 17.9160

Tritanomaly

12.5352, 12.0914, 15.8606

Monochromacy



Original Color

13.0106, 12.1538, 18.1832

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3557, 12.4148, 15.3807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0106, 12.1538, 18.1832 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, 93, 116)` looks like.

```
.text, #text, p{  
    color:rgb(106, 93, 116)  
}
```

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, 93, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 93, 116) }
```

Border

The CSS property to change the border of an element to XYZ 13.0106, 12.1538, 18.1832 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, 93, 116) }
```


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

```
.border{ border-color:rgb(106, 93, 116) }
```

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

Here you see how a box with a 4 pixel rgb(106, 93, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 93, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 93, 116);  
box-shadow:4px 4px 4px 4px rgb(106, 93,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0106, 12.1538, 18.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 93, 116) }
```

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

```
.background{ background-color: rgb(106, 93,  
116) }
```

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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