

Converting Colors

XYZ(18.1984, 18.6117, 12.3061)

Have a look what the booklet for
XYZ(18.1984, 18.6117, 12.3061)
contains.

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Color

**XYZ(18.1984, 18.6117,
12.3061)**

Conversions

Conversions Part 1

Format	Color
Hex	87755A
RGB	135, 117, 90
RGB Percent	53%, 46%, 35%
CMY	0.4706, 0.5412, 0.6471
CMYK	0.00, 0.13, 0.33, 0.47
HSL	36°, 20%, 44%
HSV	36°, 33%, 53%
XYZ	18.1984, 18.6117, 12.3061
YIQ	119.3040, 19.3950, -4.5810

Conversions

Conversions Part 2

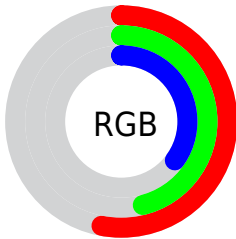
Format	Color
RYB	120, 135, 90
Decimal	8877402
CIELab	50.23, 2.71, 17.49
CIElCh	50, 17.700, 81.194
Yxy	18.6117, 0.3705, 0.3789
Android (android.graphics.Color)	4287067482 (0xFF87755A)
YUV	119.3040, -14.4469, 13.7654
Hunter-Lab	43.1413, -0.2001, 13.2864

Details

The XYZ color **18.1984, 18.6117, 12.3061** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.9519, 14.6474, 25.0135**, and the grayscale version is **17.6714, 18.5917, 20.2464**.

A 20% lighter version of the original color is **39.9079, 41.0882, 30.6384**, and **6.2389, 6.3229, 3.2745** is the 20% darker color. If you saturate the color by 10%, you get **17.0643, 17.1810, 9.3460**, and if you desaturate by 10%, it is **19.4741, 20.1584, 15.8288**.

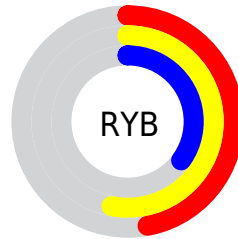
Distribution



Red (53%)

Green (46%)

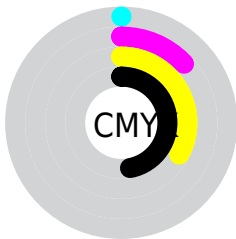
Blue (35%)



Red (47%)

Yellow (53%)

Blue (35%)

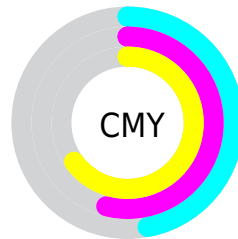


Cyan (0%)

Magenta (13%)

Yellow (33%)

Black (47%)



Cyan (47%)

Magenta (54%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1984, 18.6117, 12.3061 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 18.1984, 18.6117, 12.3061 by changing the saturation by 10% instead.

■ 18.1984, 18.6117,
12.3061

■ 18.1984, 18.6117,
12.3061

235.0110,
244.2967, 217.4707

■ 11.1931, 11.3900,
6.8274

■ 39.9025, 41.0769,
30.7241

■ 6.2651, 6.3298,
3.2776

■ 55.3321, 57.0893,
44.5005

■ 3.0491, 3.0467,
1.2381

■ 74.3004, 76.8007,
61.8799

■ 1.1798, 1.1561,
0.0102

■ 97.1728, 100.5954,
83.2808

■ 0.0903, 0.0254,
0.0000

■ 124.3147,
128.8580, 109.1218

■ 0.0000, 0.0000,
0.0000

156.0915,

161.9729, 139.8214

192.8685,
200.3243, 175.7982

■ 18.1984, 18.6117,
12.3061

■ 18.1984, 18.6117,
12.3061

■ 17.0643, 17.1810,
9.3460

■ 19.4741, 20.1584,
15.8288

■ 16.0642, 15.8604,
6.9175

■ 20.8959, 21.8219,
19.9406

■ 15.1916, 14.6468,
4.9879

■ 22.4696, 23.6061,
24.6680

■ 14.4392, 13.5364,
3.5209

■ 24.2005, 25.5140,
30.0351

■ 13.7983, 12.5247,
2.4749

■ 26.0933, 27.5484,
36.0651

■ 13.2589, 11.6064,
1.7999

■ 28.1528, 29.7120,
42.7797

■ 12.9349, 11.0373,
1.4487

■ 30.3834, 32.0075,
50.1998

■ 32.7894, 34.4374,
58.3455

■ 35.3749, 37.0042,
67.2358

Harmonies

Analogous

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



19.8331, 18.6117, 13.7728



18.1984, 18.6117, 12.3061



16.5267, 18.6117, 12.6874

Triad

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



18.1984, 18.6117, 12.3061



14.7959, 18.6117, 23.8663



20.3799, 18.6117, 26.7629

Complementary

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



18.1984, 18.6117, 12.3061



13.9519, 14.6474, 25.0135

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.



18.9063, 18.6117, 30.3822



18.1984, 18.6117, 12.3061



15.7069, 18.6117, 28.5313

Square

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



18.1984, 18.6117, 12.3061



14.6334, 18.6117, 18.8563



17.1909, 18.6117, 31.0768



21.1448, 18.6117, 21.7422

Rectangle

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



18.1984, 18.6117, 12.3061



15.6100, 18.6117, 13.9688



17.1909, 18.6117, 31.0768



19.9467, 18.6117, 28.2154

Sweetspot

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



18.1989, 18.6126, 12.3065



38.2672, 40.0489, 38.2215



16.3547, 13.5461, 15.9402



8.7843, 9.1859, 8.6197



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.1989, 18.6126, 12.3065



31.0315, 31.3742, 17.9390



19.7922, 22.8515, 13.0407



4.8876, 5.1187, 4.9598



11.9409, 10.2043, 1.3403



0.0485, 0.0497, 0.0070

Inverse Universe

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



13.9519, 14.6474, 25.0135



22.2103, 23.1424, 44.3447



12.6970, 11.4680, 24.4659



4.5760, 4.8276, 5.8914



5.2610, 4.0699, 21.6450



0.0250, 0.0277, 0.0773

Previews

White Background



This preview shows how the XYZ color 18.1984, 18.6117, 12.3061 looks on a white background.

Color Contrast Check

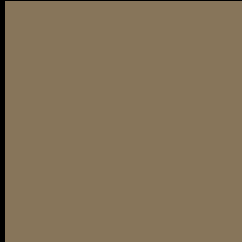
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.1984, 18.6117, 12.3061 looks on a black 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

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

XYZ 18.1984, 18.6117, 12.3061

Background



This preview shows how black text looks on a background with the XYZ color 18.1984, 18.6117, 12.3061.



This preview shows how white text looks on a background with the XYZ color 18.1984, 18.6117,

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

18.1984, 18.6117, 12.3061

Protanopia

17.3872, 18.5382, 12.5593

Deuteranopia

18.9607, 18.6624, 12.2757



Tritanopia

19.8992, 18.6187, 20.9573

Trichromacy



Original Color

18.1984, 18.6117, 12.3061

Protanomaly

17.7268, 18.5375, 12.5413

Deuteranomaly

18.7383, 18.7179, 12.2982

Tritanomaly

19.1483, 18.4788, 17.3094

Monochromacy



Original Color

18.1984, 18.6117, 12.3061

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6427, 18.3996, 16.8090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1984, 18.6117, 12.3061 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(135, 117, 90)` looks like.

```
.text, #text, p{  
    color:rgb(135, 117, 90)  
}
```

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(135, 117, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 117, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.1984, 18.6117, 12.3061 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(135, 117, 90) }
```


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

```
.border{ border-color:rgb(135, 117, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 117, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 117, 90); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 117, 90); box-shadow:4px 4px 4px 4px rgb(135, 117, 90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1984, 18.6117, 12.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 117, 90) }
```

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

```
.background{ background-color: rgb(135,  
117, 90) }
```

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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