

Converting Colors

XYZ(12.6287, 11.8133, 6.6014)

Have a look what the booklet for
XYZ(12.6287, 11.8133, 6.6014)
contains.

XYZ(12.6363, 11.8316, 6.6187)	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(12.6363, 11.8316,
6.6187)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5A41
RGB	122, 90, 65
RGB Percent	48%, 35%, 25%
CMY	0.5216, 0.6470, 0.7451
CMYK	0.00, 0.26, 0.47, 0.52
HSL	26°, 30%, 37%
HSV	26°, 47%, 48%
XYZ	12.6363, 11.8316, 6.6187
YIQ	96.7180, 27.0970, -0.9910

Conversions

Conversions Part 2

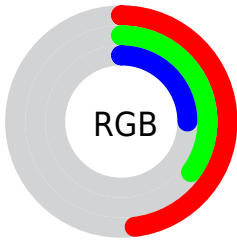
Format	Color
R_{YB}	122, 110, 65
Decimal	8018497
CIE _{Lab}	40.95, 9.73, 19.55
CIE _{LCh}	41, 21.833, 63.541
Yxy	11.8316, 0.4065, 0.3806
Android (android.graphics.Color)	4286208577 (0xFF7A5A41)
YUV	96.7180, -15.6370, 22.1723
Hunter-Lab	34.3971, 5.3798, 12.6694

Details

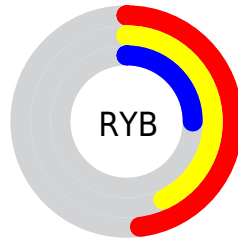
The XYZ color **12.6363, 11.8316, 6.6187** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **9.9672, 11.0776, 20.0250**, and the grayscale version is **11.3258, 11.9157, 12.9762**.

A 20% lighter version of the original color is **30.2632, 29.1785, 19.6598**, and **3.6440, 3.1989, 1.1844** is the 20% darker color. If you saturate the color by 10%, you get **11.7692, 10.6031, 4.7705**, and if you desaturate by 10%, it is **13.6336, 13.1983, 8.8873**.

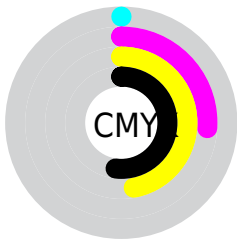
Distribution



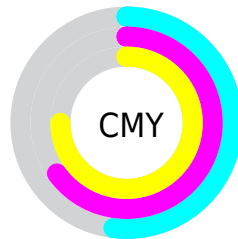
- Red (48%)
- Green (35%)
- Blue (25%)



- Red (48%)
- Yellow (43%)
- Blue (25%)



- Cyan (0%)
- Magenta (26%)
- Yellow (47%)
- Black (52%)



- Cyan (52%)
- Magenta (65%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6363, 11.8316, 6.6187 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 12.6363, 11.8316, 6.6187 by changing the saturation by 10% instead.

■ 12.6363, 11.8316,
6.6187

■ 12.6363, 11.8316,
6.6187

202.2585,
203.2872, 173.9656

■ 7.2538, 6.6291,
3.1500

■ 30.2557, 29.1880,
19.7016

■ 3.6691, 3.2313,
1.1717

■ 43.2234, 42.1108,
30.1528

■ 1.5167, 1.2536,
0.0000

■ 59.4502, 58.3757,
43.7686

■ 0.3371, 0.1049,
0.0000

■ 79.3015, 78.3672,
60.9676

■ 0.0000, 0.0000,
0.0000

■ 103.1426,
102.4697, 82.1682

■ 131.3389,

131.0677, 107.7891

164.2558,
164.5454, 138.2487

■ 12.6363, 11.8316,
6.6187

■ 12.6363, 11.8316,
6.6187

■ 11.7692, 10.6031,
4.7705

■ 13.6336, 13.1983,
8.8873

■ 11.0249, 9.5062,
3.3153

■ 14.7662, 14.7060,
11.5999

■ 10.3969, 8.5362,
2.2236

■ 16.0398, 16.3596,
14.7790

■ 9.8770, 7.6876,
1.4614

■ 17.4595, 18.1632,
18.4457

■ 9.4506, 6.9517,
0.9586

■ 19.0303, 20.1207,
22.6195

■ 9.3227, 6.7311,
0.8079

■ 20.7568, 22.2361,
27.3188

■ 22.6434, 24.5127,
32.5614

■ 24.6944, 26.9543,
38.3639

■ 26.9138, 29.5641,
44.7425

Harmonies

Analogous

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



13.9368, 11.8316, 8.6936



12.6363, 11.8316, 6.6187



11.0612, 11.8316, 6.0678

Triad

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



12.6363, 11.8316, 6.6187



8.5085, 11.8316, 13.4208



12.9865, 11.8316, 21.4554

Complementary

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



12.6363, 11.8316, 6.6187



9.9672, 11.0776, 20.0250

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.



11.4320, 11.8316, 23.5050



12.6363, 11.8316, 6.6187



8.9253, 11.8316, 18.2385

Square

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



12.6363, 11.8316, 6.6187



8.7673, 11.8316, 9.4203



9.9608, 11.8316, 22.2099



14.1517, 11.8316, 17.1037

Rectangle

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



12.6363, 11.8316, 6.6187



10.0891, 11.8316, 6.5008



9.9608, 11.8316, 22.2099



12.4872, 11.8316, 22.4769

Sweetspot

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



12.6366, 11.8322, 6.6189



28.7907, 29.5137, 27.4592



12.0880, 8.7869, 12.4416



6.4861, 6.6244, 6.0312



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.6366, 11.8322, 6.6189



20.6170, 18.5260, 8.2117



15.4821, 17.5231, 7.5674



4.1295, 4.2775, 4.2325



9.8074, 7.0707, 0.8479



45.9642, 32.0919, 3.7718

Inverse Universe

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



9.9672, 11.0776, 20.0250



15.3027, 17.0142, 34.8704



7.8087, 6.7607, 19.3055



3.9668, 4.2319, 5.0509



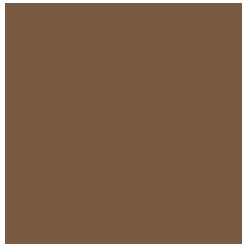
5.8973, 5.8771, 20.2089



27.2720, 26.3165, 96.1120

Previews

White Background



This preview shows how the XYZ color 12.6363, 11.8316, 6.6187 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 12.6363, 11.8316, 6.6187 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 12.6363, 11.8316, 6.6187

Background



This preview shows how black text looks on a background with the XYZ color 12.6363, 11.8316, 6.6187.



This preview shows how white text looks on a background with the XYZ color 12.6363, 11.8316,

6.6187.

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

12.6363, 11.8316, 6.6187

Protanopia

11.0270, 11.9098, 7.1865

Deuteranopia

12.0422, 11.9119, 6.5150



Tritanopia

13.6158, 11.7310, 11.9026

Trichromacy



Original Color

12.6363, 11.8316, 6.6187

Protanomaly

11.5714, 11.7902, 6.9760

Deuteranomaly

12.2238, 11.8760, 6.4985

Tritanomaly

13.1379, 11.6519, 9.7402

Monochromacy



Original Color

12.6363, 11.8316, 6.6187

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5863, 11.7255, 10.2469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6363, 11.8316, 6.6187 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(122, 90, 65)` looks like.

```
.text, #text, p{  
    color:rgb(122, 90, 65)  
}
```

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(122, 90, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 90, 65) }
```

Border

The CSS property to change the border of an element to XYZ 12.6363, 11.8316, 6.6187 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(122, 90, 65) }
```


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

```
.border{ border-color:rgb(122, 90, 65) }
```

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

Here you see how a box with a 4 pixel rgb(122, 90, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 90, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 90, 65);  
box-shadow:4px 4px 4px 4px rgb(122, 90,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6363, 11.8316, 6.6187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 90, 65) }
```

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

```
.background{ background-color: rgb(122, 90,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor