

Converting Colors

XYZ(12.1260, 14.8139, 6.6336)

Have a look what the booklet for
XYZ(12.1260, 14.8139, 6.6336)
contains.

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Color

**XYZ(12.1160, 14.7500,
6.6233)**

Conversions

Conversions Part 1

Format	Color
Hex	66703D
RGB	102, 112, 61
RGB Percent	40%, 44%, 24%
CMY	0.6000, 0.5608, 0.7608
CMYK	0.09, 0.00, 0.46, 0.56
HSL	72°, 29%, 34%
HSV	72°, 46%, 44%
XYZ	12.1160, 14.7500, 6.6233
YIQ	103.1960, 10.4110, -17.9810

Conversions

Conversions Part 2

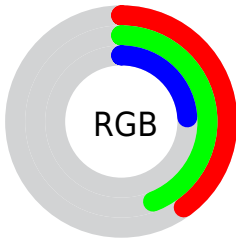
Format	Color
RYB	61, 112, 71
Decimal	6713405
CIELab	45.29, -12.54, 27.02
CIELCh	45, 29.785, 114.903
Yxy	14.7500, 0.3618, 0.4404
Android (android.graphics.Color)	4284903485 (0xFF66703D)
YUV	103.1960, -20.8026, -1.0489
Hunter-Lab	38.4057, -10.8980, 16.6591

Details

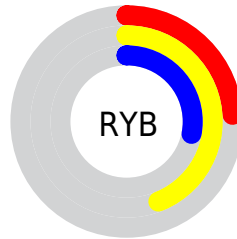
The XYZ color **12.1160, 14.7500, 6.6233** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.1923, 5.8472, 16.0795**, and the grayscale version is **12.9958, 13.6726, 14.8894**.

A 20% lighter version of the original color is **29.4164, 34.5467, 19.8696**, and **3.4482, 4.4885, 1.1748** is the 20% darker color. If you saturate the color by 10%, you get **11.5998, 14.5157, 5.1856**, and if you desaturate by 10%, it is **12.7026, 15.0143, 8.3940**.

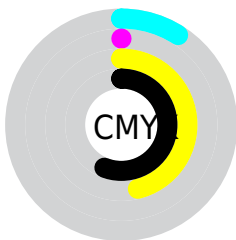
Distribution



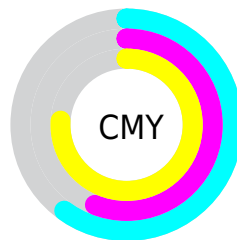
- Red (40%)
- Green (44%)
- Blue (24%)



- Red (24%)
- Yellow (44%)
- Blue (28%)



- Cyan (9%)
- Magenta (0%)
- Yellow (46%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1160, 14.7500, 6.6233 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 12.1160, 14.7500, 6.6233 by changing the saturation by 10% instead.

12.1160, 14.7500,
6.6233

12.1160, 14.7500,
6.6233

198.9260,
221.8480, 174.0063

6.8955, 8.6441,
3.1528

29.3212, 34.4140,
19.7111

3.4426, 4.5098,
1.1732

42.0367, 48.7409,
30.1654

1.3919, 1.9626,
0.0000

57.9811, 66.5770,
43.7848

0.2504, 0.5856,
0.0000

77.5199, 88.3065,
60.9878

0.0000, 0.0000,
0.0000

101.0185,
114.3140, 82.1929

128.8421,

144.9839, 107.8186

161.3561,
180.7004, 138.2836

■ 12.1160, 14.7500,
6.6233

■ 12.1160, 14.7500,
6.6233

■ 11.5998, 14.5157,
5.1856

■ 12.7026, 15.0143,
8.3940

■ 11.1489, 14.3077,
4.0590

■ 13.3621, 15.3080,
10.5157

■ 10.7591, 14.1249,
3.2207

■ 14.0983, 15.6332,
13.0063

■ 10.4255, 13.9653,
2.6442

■ 14.9144, 15.9911,
15.8823

■ 10.1380, 13.8249,
2.2777

■ 15.8134, 16.3829,
19.1592

■ 10.0146, 13.7645,
2.1290

■ 16.7980, 16.8098,
22.8514

■ 17.8709, 17.2728,
26.9729

■ 19.0348, 17.7730,
31.5368

■ 20.2919, 18.3113,
36.5558

Harmonies

Analogous

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



14.4449, 14.7500, 5.9758



12.1160, 14.7500, 6.6233



10.4866, 14.7500, 9.4491

Triad

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



12.1160, 14.7500, 6.6233



11.4660, 14.7500, 29.9308



19.2928, 14.7500, 17.2972

Complementary

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



12.1160, 14.7500, 6.6233



7.1923, 5.8472, 16.0795

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.



18.2680, 14.7500, 25.2022



12.1160, 14.7500, 6.6233



13.6024, 14.7500, 33.7399

Square

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



12.1160, 14.7500, 6.6233



10.1433, 14.7500, 22.4843



16.1125, 14.7500, 31.7953



18.7752, 14.7500, 10.9936

Rectangle

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



12.1160, 14.7500, 6.6233



9.9215, 14.7500, 12.7765



16.1125, 14.7500, 31.7953



19.1141, 14.7500, 19.8633

Sweetspot

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



12.1164, 14.7507, 6.6236



24.9264, 27.5329, 23.4030



9.7370, 8.2063, 5.4858



5.9322, 6.5899, 5.4278



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.



12.1164, 14.7507, 6.6236



20.3007, 25.4643, 8.9083



9.7096, 13.5099, 6.5110



3.5809, 3.8848, 3.6344



11.5588, 15.9025, 2.4603



56.8793, 78.8564, 12.2229

Inverse Universe

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



7.1923, 5.8472, 16.0795



10.4523, 7.6358, 27.8527



9.4019, 6.9863, 16.1829



3.2731, 3.3291, 4.2243



3.7461, 1.5406, 17.8215



18.0856, 7.3778, 88.7500

Previews

White Background



This preview shows how the XYZ color 12.1160, 14.7500, 6.6233 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 12.1160, 14.7500, 6.6233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

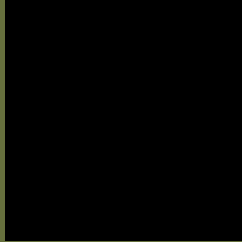
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1160, 14.7500, 6.6233

Background



This preview shows how black text looks on a background with the XYZ color 12.1160, 14.7500, 6.6233.



This preview shows how white text looks on a background with the XYZ color 12.1160, 14.7500,

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

12.1160, 14.7500, 6.6233

Protanopia

13.5183, 14.6827, 6.2592

Deuteranopia

14.8545, 14.6075, 6.7392



Tritanopia

14.3756, 14.7111, 18.0014

Trichromacy



Original Color

12.1160, 14.7500, 6.6233

Protanomaly

12.9663, 14.7083, 6.4305

Deuteranomaly

13.7693, 14.6489, 6.6592

Tritanomaly

13.3720, 14.6155, 12.9428

Monochromacy



Original Color

12.1160, 14.7500, 6.6233

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5090, 13.8962, 11.2555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1160, 14.7500, 6.6233 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(102, 112, 61)` looks like.

```
.text, #text, p{  
    color:rgb(102, 112, 61)  
}
```

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(102, 112, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 112, 61) }
```

Border

The CSS property to change the border of an element to XYZ 12.1160, 14.7500, 6.6233 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(102, 112, 61) }
```


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

```
.border{ border-color:rgb(102, 112, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 112, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 112, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 112, 61);  
box-shadow:4px 4px 4px 4px rgb(102, 112,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1160, 14.7500, 6.6233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 112, 61) }
```

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

```
.background{ background-color: rgb(102,  
112, 61) }
```

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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