

Converting Colors

XYZ(12.7394, 14.8741, 3.6745)

Have a look what the booklet for
XYZ(12.7394, 14.8741, 3.6745)
contains.

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Color

**XYZ(12.6605, 14.7724,
3.6229)**

Conversions

Conversions Part 1

Format	Color
Hex	716E21
RGB	113, 110, 33
RGB Percent	44%, 43%, 13%
CMY	0.5569, 0.5686, 0.8706
CMYK	0.00, 0.03, 0.71, 0.56
HSL	58°, 55%, 29%
HSV	58°, 71%, 44%
XYZ	12.6605, 14.7724, 3.6229
YIQ	102.1190, 26.5050, -23.3110

Conversions

Conversions Part 2

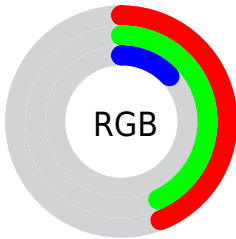
Format	Color
R_{YB}	36, 113, 33
Decimal	7433761
CIE _{Lab}	45.32, -8.96, 41.40
CIE _{LCh}	45, 42.357, 102.214
Yxy	14.7724, 0.4077, 0.4757
Android (android.graphics.Color)	4285623841 (0xFF716E21)
YUV	102.1190, -34.0757, 9.5426
Hunter-Lab	38.4349, -8.4629, 21.3157

Details

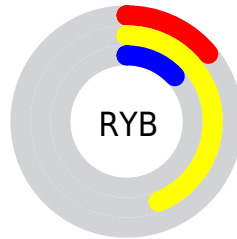
The XYZ color **12.6605, 14.7724, 3.6229** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.2387, 2.7773, 15.9353**, and the grayscale version is **12.7423, 13.4059, 14.5990**.

A 20% lighter version of the original color is **30.2042, 34.3144, 13.0141**, and **3.8274, 4.6118, 0.6884** is the 20% darker color. If you saturate the color by 10%, you get **12.4827, 14.6289, 2.9098**, and if you desaturate by 10%, it is **12.8924, 14.9390, 4.6168**.

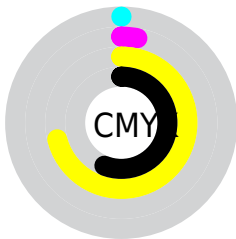
Distribution



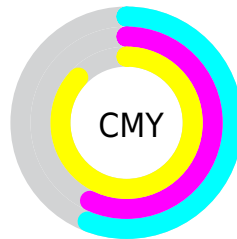
- Red (44%)
- Green (43%)
- Blue (13%)



- Red (14%)
- Yellow (44%)
- Blue (13%)



- Cyan (0%)
- Magenta (3%)
- Yellow (71%)
- Black (56%)



- Cyan (56%)
- Magenta (57%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6605, 14.7724, 3.6229 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 12.6605, 14.7724, 3.6229 by changing the saturation by 10% instead.

12.6605, 14.7724,
3.6229

12.6605, 14.7724,
3.6229

202.4121,
221.9845, 143.9369

7.2706, 8.6598,
1.4208

30.2990, 34.4534,
13.1303

3.6797, 4.5200,
0.1579

43.2783, 48.7906,
21.2727

1.5226, 1.9685,
0.0000

59.5181, 66.6381,
32.2322

0.3411, 0.5891,
0.0000

79.3838, 88.3804,
46.4275

0.0000, 0.0000,
0.0000

103.2407,
114.4017, 64.2771

131.4541,

145.0866, 86.1995

164.3895,
180.8194, 112.6132

12.6605, 14.7724,
3.6229

12.6605, 14.7724,
3.6229

12.4827, 14.6289,
2.9098

12.8924, 14.9390,
4.6168

12.3524, 14.5043,
2.4473

13.1822, 15.1285,
5.9159

12.2538, 14.3984,
2.1333

13.5345, 15.3433,
7.5430

13.9531, 15.5851,
9.5186

14.4417, 15.8552,
11.8613

■ 15.0035, 16.1549,
14.5886

■ 15.6417, 16.4855,
17.7166

■ 16.3590, 16.8481,
21.2609

■ 17.1584, 17.2439,
25.2359

Harmonies

Analogous

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



16.2052, 14.7724, 3.8060



12.6605, 14.7724, 3.6229



9.9761, 14.7724, 5.5948

Triad

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



12.6605, 14.7724, 3.6229



9.6112, 14.7724, 32.8841



21.4990, 14.7724, 22.7420

Complementary

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



12.6605, 14.7724, 3.6229



4.2387, 2.7773, 15.9353

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.



19.0821, 14.7724, 35.0715



12.6605, 14.7724, 3.6229



12.0781, 14.7724, 42.4081

Square

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



12.6605, 14.7724, 3.6229



8.4227, 14.7724, 20.5310



15.5178, 14.7724, 43.3432



21.7254, 14.7724, 12.3315

Rectangle

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



12.6605, 14.7724, 3.6229



8.8755, 14.7724, 8.6509



15.5178, 14.7724, 43.3432



20.8993, 14.7724, 26.8846

Sweetspot

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



12.6608, 14.7731, 3.6232



25.7890, 28.3528, 20.8941



7.6879, 4.7321, 2.2586



5.9204, 6.5332, 4.6218



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.



12.6608, 14.7731, 3.6232



22.1925, 26.0477, 4.6265



9.2403, 13.4978, 3.5573



3.6317, 3.8959, 3.6339



13.8969, 16.3263, 2.4189



69.0808, 81.0368, 12.0007

Inverse Universe

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



4.2387, 2.7773, 15.9353



6.0618, 3.0866, 28.2518



5.9789, 3.5453, 15.9919



3.2267, 3.3187, 4.2247



3.4298, 1.4499, 17.8207



16.9431, 6.9381, 88.7253

Previews

White Background



This preview shows how the XYZ color 12.6605, 14.7724, 3.6229 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 12.6605, 14.7724, 3.6229 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 12.6605, 14.7724, 3.6229

Background



This preview shows how black text looks on a background with the XYZ color 12.6605, 14.7724, 3.6229.



This preview shows how white text looks on a background with the XYZ color 12.6605, 14.7724,

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

12.6605, 14.7724, 3.6229

Protanopia

13.3690, 14.8225, 3.5229

Deuteranopia

14.9013, 14.6984, 3.7208



Tritanopia

15.4652, 14.8413, 17.0885

Trichromacy



Original Color

12.6605, 14.7724, 3.6229

Protanomaly

13.0655, 14.8235, 3.5391

Deuteranomaly

13.9591, 14.6601, 3.6841

Tritanomaly

14.0515, 14.7145, 10.2832

Monochromacy



Original Color

12.6605, 14.7724, 3.6229

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3350, 13.7031, 9.0160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6605, 14.7724, 3.6229 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(113, 110, 33)` looks like.

```
.text, #text, p{  
    color:rgb(113, 110, 33)  
}
```

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(113, 110, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 110, 33) }
```

Border

The CSS property to change the border of an element to XYZ 12.6605, 14.7724, 3.6229 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(113, 110, 33) }
```


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

```
.border{ border-color:rgb(113, 110, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 110, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 110, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 110, 33);  
box-shadow:4px 4px 4px 4px rgb(113, 110,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6605, 14.7724, 3.6229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 110, 33) }
```

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

```
.background{ background-color: rgb(113,  
110, 33) }
```

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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