

Converting Colors

XYZ(12.4379, 15.2264, 7.8676)

Have a look what the booklet for
XYZ(12.4379, 15.2264, 7.8676)
contains.

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Color

**XYZ(12.4583, 15.2310,
7.9135)**

Conversions

Conversions Part 1

Format	Color
Hex	657245
RGB	101, 114, 69
RGB Percent	40%, 45%, 27%
CMY	0.6039, 0.5529, 0.7294
CMYK	0.11, 0.00, 0.39, 0.55
HSL	77°, 25%, 36%
HSV	77°, 39%, 45%
XYZ	12.4583, 15.2310, 7.9135
YIQ	104.9830, 6.6970, -16.7510

Conversions

Conversions Part 2

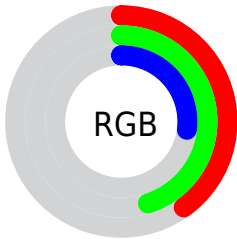
Format	Color
RYB	69, 114, 82
Decimal	6648389
CIELab	45.95, -13.04, 23.34
CIELCh	46, 26.737, 119.178
Yxy	15.2310, 0.3499, 0.4278
Android (android.graphics.Color)	4284838469 (0xFF657245)
YUV	104.9830, -17.7396, -3.4931
Hunter-Lab	39.0269, -11.3157, 15.2966

Details

The XYZ color **12.4583, 15.2310, 7.9135** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6457, 7.2654, 16.8672**, and the grayscale version is **13.4682, 14.1696, 15.4307**.

A 20% lighter version of the original color is **30.0431, 35.3527, 22.3799**, and **3.5813, 4.7193, 1.5863** is the 20% darker color. If you saturate the color by 10%, you get **11.7766, 14.9171, 6.2086**, and if you desaturate by 10%, it is **13.2236, 15.5811, 9.9780**.

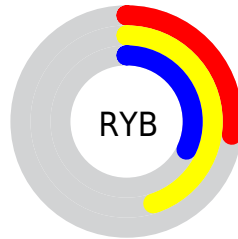
Distribution



Red (40%)

Green (45%)

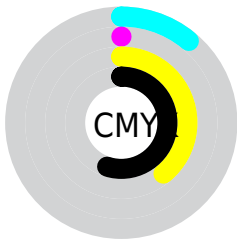
Blue (27%)



Red (27%)

Yellow (45%)

Blue (32%)

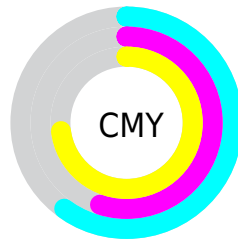


Cyan (11%)

Magenta (0%)

Yellow (39%)

Black (55%)



Cyan (60%)

Magenta (55%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4583, 15.2310, 7.9135 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 12.4583, 15.2310, 7.9135 by changing the saturation by 10% instead.

■ 12.4583, 15.2310,
7.9135

■ 12.4583, 15.2310,
7.9135

201.1248,
224.7602, 184.9612

■ 7.1310, 8.9817,
3.9527

■ 29.9368, 35.2579,
22.3321

■ 3.5912, 4.7292,
1.5994

■ 42.8187, 49.8043,
33.6269

■ 1.4736, 2.0893,
0.2904

■ 58.9495, 67.8851,
48.2034

■ 0.3078, 0.6586,
0.0000

■ 78.6946, 89.8848,
66.4802

■ 0.0000, 0.0000,
0.0000

■ 102.4193,
116.1878, 88.8759

130.4890,

147.1784, 115.8089

163.2690,
183.2411, 147.6978

■ 12.4583, 15.2310,
7.9135

■ 12.4583, 15.2310,
7.9135

■ 11.7766, 14.9171,
6.2086

■ 13.2236, 15.5811,
9.9780

■ 11.1732, 14.6356,
4.8416

■ 14.0751, 15.9669,
12.4200

■ 10.6440, 14.3856,
3.7903

■ 15.0167, 16.3905,
15.2575

■ 10.1842, 14.1649,
3.0291

■ 16.0517, 16.8532,
18.5070

■ 9.7877, 13.9712,
2.5287

■ 17.1832, 17.3563,
22.1841

■ 9.4345, 13.7964,
2.1829

■ 18.4142, 17.9010,
26.3035

■ 9.4163, 13.7874,
2.1649

■ 19.7474, 18.4884,
30.8794

■ 21.1857, 19.1197,
35.9251

■ 22.7315, 19.7958,
41.4536

Harmonies

Analogous

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



14.5391, 15.2310, 6.9879



12.4583, 15.2310, 7.9135



11.0540, 15.2310, 10.9862

Triad

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



12.4583, 15.2310, 7.9135



12.3608, 15.2310, 29.7433



19.2747, 15.2310, 16.7632

Complementary

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



12.4583, 15.2310, 7.9135



8.6457, 7.2654, 16.8672

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.



18.5415, 15.2310, 23.8186



12.4583, 15.2310, 7.9135



14.4143, 15.2310, 32.4142

Square

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



12.4583, 15.2310, 7.9135



11.0020, 15.2310, 23.4270



16.7019, 15.2310, 30.0078



18.6151, 15.2310, 11.2230

Rectangle

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



12.4583, 15.2310, 7.9135



10.6116, 15.2310, 14.3538



16.7019, 15.2310, 30.0078



19.1818, 15.2310, 19.0339

Sweetspot

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



12.4587, 15.2317, 7.9138



25.9019, 28.5835, 25.3246



11.0127, 10.0045, 6.9811



5.9549, 6.5945, 5.7496



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.



12.4587, 15.2317, 7.9138



20.8375, 26.2789, 11.2548



10.2957, 14.1166, 7.8126



3.5525, 3.8702, 3.6331



10.4647, 15.3385, 2.4091



51.2449, 75.9518, 11.9593

Inverse Universe

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



8.6457, 7.2654, 16.8672



13.1775, 10.2619, 29.2617



10.9039, 8.4296, 16.9728



3.2998, 3.3428, 4.2255



4.0617, 1.7033, 17.8363



19.4758, 8.0945, 88.8150

Previews

White Background



This preview shows how the XYZ color 12.4583, 15.2310, 7.9135 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 12.4583, 15.2310, 7.9135 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

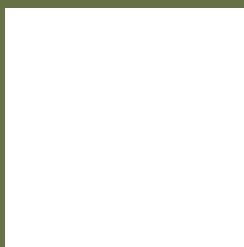
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4583, 15.2310, 7.9135

Background



This preview shows how black text looks on a background with the XYZ color 12.4583, 15.2310, 7.9135.



This preview shows how white text looks on a background with the XYZ color 12.4583, 15.2310,

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

12.4583, 15.2310, 7.9135

Protanopia

14.0895, 15.2645, 7.5139

Deuteranopia

15.4477, 15.1809, 8.0773



Tritanopia

14.6369, 15.1353, 18.9796

Trichromacy



Original Color

12.4583, 15.2310, 7.9135

Protanomaly

13.4099, 15.2310, 7.7019

Deuteranomaly

14.2138, 15.1604, 7.9715

Tritanomaly

13.7019, 15.0752, 14.2442

Monochromacy



Original Color

12.4583, 15.2310, 7.9135

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0032, 14.4409, 12.2272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4583, 15.2310, 7.9135 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(101, 114, 69)` looks like.

```
.text, #text, p{  
    color:rgb(101, 114, 69)  
}
```

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(101, 114, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 114, 69) }
```

Border

The CSS property to change the border of an element to XYZ 12.4583, 15.2310, 7.9135 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(101, 114, 69) }
```


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

```
.border{ border-color:rgb(101, 114, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 114, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 114, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 114, 69);  
box-shadow:4px 4px 4px 4px rgb(101, 114,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4583, 15.2310, 7.9135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 114, 69) }
```

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

```
.background{ background-color: rgb(101,  
114, 69) }
```

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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