

Converting Colors

XYZ(12.0163, 14.2025, 7.1091)

Have a look what the booklet for
XYZ(12.0163, 14.2025, 7.1091)
contains.

XYZ(12.0163, 14.2025, 7.1091)	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(12.0163, 14.2025,
7.1091)**

Conversions

Conversions Part 1

Format	Color
Hex	676D41
RGB	103, 109, 65
RGB Percent	40%, 43%, 25%
CMY	0.5961, 0.5725, 0.7451
CMYK	0.06, 0.00, 0.40, 0.57
HSL	68°, 25%, 34%
HSV	68°, 40%, 43%
XYZ	12.0163, 14.2025, 7.1091
YIQ	102.1900, 10.5480, -14.9560

Conversions

Conversions Part 2

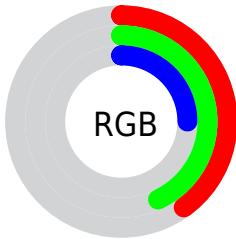
Format	Color
RYB	65, 109, 71
Decimal	6778177
CIELab	44.52, -9.92, 23.81
CIELCh	45, 25.799, 112.624
Yxy	14.2025, 0.3605, 0.4261
Android (android.graphics.Color)	4284968257 (0xFF676D41)
YUV	102.1900, -18.3347, 0.7104
Hunter-Lab	37.6862, -9.0359, 15.1959

Details

The XYZ color **12.0163, 14.2025, 7.1091** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.2497, 6.2247, 15.2882**, and the grayscale version is **12.7239, 13.3865, 14.5779**.

A 20% lighter version of the original color is **29.1256, 33.3251, 20.8169**, and **3.4335, 4.3116, 1.3607** is the 20% darker color. If you saturate the color by 10%, you get **11.5616, 14.0016, 5.5957**, and if you desaturate by 10%, it is **12.5357, 14.4306, 8.9443**.

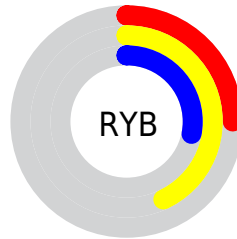
Distribution



 Red (40%)

 Green (43%)

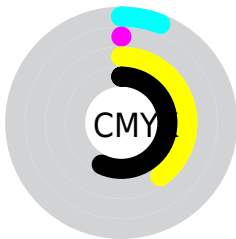
 Blue (25%)



 Red (25%)

 Yellow (43%)

 Blue (28%)

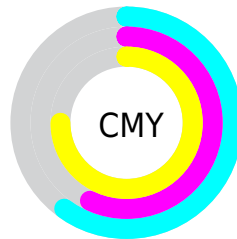



 Cyan (6%)


 Magenta (0%)

 Yellow (40%)

 Black (57%)



 Cyan (60%)

 Magenta (57%)

 Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0163, 14.2025, 7.1091 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 12.0163, 14.2025, 7.1091 by changing the saturation by 10% instead.

12.0163, 14.2025,
7.1091

12.0163, 14.2025,
7.1091

198.2809,
218.4870, 178.2324

6.8271, 8.2616,
3.4509

29.1414, 33.4479,
20.7090

3.3995, 4.2628,
1.3292

41.8079, 47.5212,
31.4877

1.3684, 1.8216,
0.0856

57.6977, 65.0742,
45.4771

0.2335, 0.5006,
0.0000

77.1759, 86.4911,
63.0957

0.0000, 0.0000,
0.0000

100.6079,
112.1565, 84.7620

128.3592,

142.4547, 110.8945

160.7951,
177.7700, 141.9118

■ 12.0163, 14.2025,
7.1091

■ 12.0163, 14.2025,
7.1091

■ 11.5616, 14.0016,
5.5957

■ 12.5357, 14.4306,
8.9443

■ 11.1671, 13.8246,
4.3847

■ 13.1220, 14.6854,
11.1175

■ 10.8291, 13.6706,
3.4560

■ 13.7785, 14.9686,
13.6448

■ 10.5433, 13.5378,
2.7864

■ 14.5082, 15.2814,
16.5411

■ 10.3047, 13.4242,
2.3497

■ 15.3137, 15.6249,
19.8204

■ 10.0986, 13.3246,
2.0396

■ 16.1976, 16.0001,
23.4959

■ 17.1622, 16.4080,
27.5804

■ 18.2098, 16.8494,
32.0859

■ 19.3427, 17.3253,
37.0239

Harmonies

Analogous

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



14.0198, 14.2025, 6.6502



12.0163, 14.2025, 7.1091



10.5600, 14.2025, 9.4940

Triad

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



12.0163, 14.2025, 7.1091



11.2109, 14.2025, 26.4870



17.8732, 14.2025, 16.9840

Complementary

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



12.0163, 14.2025, 7.1091



7.2497, 6.2247, 15.2882

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.



16.9383, 14.2025, 23.5243



12.0163, 14.2025, 7.1091



12.9914, 14.2025, 29.8562

Square

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



12.0163, 14.2025, 7.1091



10.1294, 14.2025, 20.3092



15.0990, 14.2025, 28.6515



17.5436, 14.2025, 11.4582

Rectangle

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



12.0163, 14.2025, 7.1091



10.0262, 14.2025, 12.2853



15.0990, 14.2025, 28.6515



17.6934, 14.2025, 19.1488

Sweetspot

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



12.0167, 14.2031, 7.1094



24.4300, 26.6983, 23.4909



9.5061, 8.1228, 6.0681



5.6604, 6.2023, 5.3710



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.0167, 14.2031, 7.1094



20.7810, 25.1060, 10.2745



9.8281, 13.0749, 7.0070



3.2946, 3.5637, 3.3317



11.7965, 15.5765, 2.3848



59.5716, 79.0924, 12.1266

Inverse Universe

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



7.2497, 6.2247, 15.2882



11.0298, 8.7757, 27.0198



9.1518, 7.2053, 15.3772



2.9833, 3.0431, 3.8650



3.4423, 1.4016, 17.0114



17.0909, 6.9103, 86.6592

Previews

White Background



This preview shows how the XYZ color 12.0163, 14.2025, 7.1091 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 12.0163,
14.2025, 7.1091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

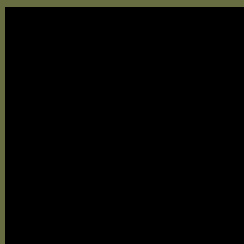
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0163, 14.2025, 7.1091

Background



This preview shows how black text looks on a background with the XYZ color 12.0163, 14.2025, 7.1091.



This preview shows how white text looks on a background with the XYZ color 12.0163, 14.2025,

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

12.0163, 14.2025, 7.1091

Protanopia

13.0472, 14.1182, 6.8879

Deuteranopia

14.4192, 14.2246, 7.2958



Tritanopia

14.0816, 14.1216, 17.3128

Trichromacy



Original Color

12.0163, 14.2025, 7.1091

Protanomaly

12.6350, 14.0577, 6.8980

Deuteranomaly

13.4049, 14.1455, 7.1781

Tritanomaly

13.1805, 14.0552, 12.8447

Monochromacy



Original Color

12.0163, 14.2025, 7.1091

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3342, 13.6492, 11.4357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0163, 14.2025, 7.1091 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(103, 109, 65)` looks like.

```
.text, #text, p{  
    color:rgb(103, 109, 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(103, 109, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 109, 65) }
```

Border

The CSS property to change the border of an element to XYZ 12.0163, 14.2025, 7.1091 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(103, 109, 65) }
```


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

```
.border{ border-color:rgb(103, 109, 65) }
```

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

Here you see how a box with a 4 pixel rgb(103, 109, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 109, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 109, 65);  
box-shadow:4px 4px 4px 4px rgb(103, 109,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0163, 14.2025, 7.1091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 109, 65) }
```

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

```
.background{ background-color: rgb(103,  
109, 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](#).

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