

Converting Colors

XYZ(11.7040, 14.7559, 5.0016)

Have a look what the booklet for
XYZ(11.7040, 14.7559, 5.0016)
contains.

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Color

**XYZ(11.6942, 14.7330,
5.0237)**

Conversions

Conversions Part 1

Format	Color
Hex	647130
RGB	100, 113, 48
RGB Percent	39%, 44%, 19%
CMY	0.6078, 0.5569, 0.8118
CMYK	0.12, 0.00, 0.58, 0.56
HSL	72°, 40%, 32%
HSV	72°, 58%, 44%
XYZ	11.6942, 14.7330, 5.0237
YIQ	101.7030, 13.1170, -22.9710

Conversions

Conversions Part 2

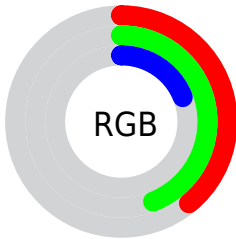
Format	Color
R_{YB}	48, 113, 61
Decimal	6582576
CIE _{Lab}	45.27, -15.40, 33.90
CIE _{LCh}	45, 37.231, 114.425
Yxy	14.7330, 0.3718, 0.4684
Android (android.graphics.Color)	4284772656 (0xFF647130)
YUV	101.7030, -26.4756, -1.4935
Hunter-Lab	38.3836, -12.7883, 19.1086

Details

The XYZ color **11.6942, 14.7330, 5.0237** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.9626, 4.2986, 16.1391**, and the grayscale version is **12.6166, 13.2736, 14.4550**.

A 20% lighter version of the original color is **28.5153, 34.4302, 16.2091**, and **3.2555, 4.4844, 0.6940** is the 20% darker color. If you saturate the color by 10%, you get **11.2437, 14.5248, 3.9368**, and if you desaturate by 10%, it is **12.2118, 14.9699, 6.4247**.

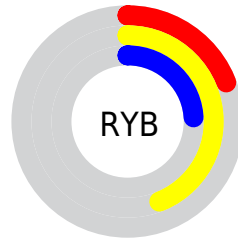
Distribution



Red (39%)

Green (44%)

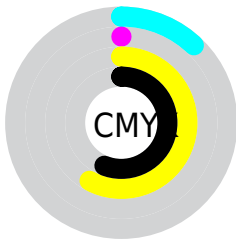
Blue (19%)



Red (19%)

Yellow (44%)

Blue (24%)

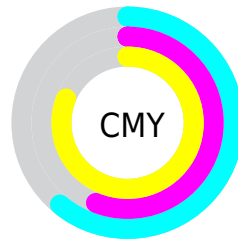


Cyan (12%)

Magenta (0%)

Yellow (58%)

Black (56%)



Cyan (61%)

Magenta (56%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6942, 14.7330, 5.0237 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 11.6942, 14.7330, 5.0237 by changing the saturation by 10% instead.

■ 11.6942, 14.7330,
5.0237

■ 11.6942, 14.7330,
5.0237

196.1817,
221.7444, 159.0024

■ 6.6065, 8.6322,
2.2022

■ 28.5586, 34.3841,
16.3093

■ 3.2614, 4.5021,
0.6756

■ 41.0661, 48.7032,
25.6104

■ 1.2935, 1.9582,
0.0000

■ 56.7775, 66.5305,
37.9085

■ 0.1783, 0.5830,
0.0000

■ 76.0583, 88.2505,
53.6221

■ 0.0000, 0.0000,
0.0000

■ 99.2737, 114.2474,
73.1698

■ 126.7892,

144.9058, 96.9700

158.9701,
180.6100, 125.4414

■ 11.6942, 14.7330,
5.0237

■ 11.6942, 14.7330,
5.0237

■ 11.2437, 14.5248,
3.9368

■ 12.2118, 14.9699,
6.4247

■ 10.8545, 14.3415,
3.1386

■ 12.7997, 15.2351,
8.1606

■ 10.5218, 14.1815,
2.6018

■ 13.4619, 15.5309,
10.2515

■ 10.2311, 14.0391,
2.2510

■ 14.2021, 15.8587,
12.7156

■ 10.1607, 14.0046,
2.1676

■ 15.0235, 16.2198,
15.5700

■ 15.9292, 16.6155,
18.8307

■ 16.9220, 17.0469,
22.5127

■ 18.0049, 17.5151,
26.6302

■ 19.1803, 18.0212,
31.1970

Harmonies

Analogous

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



14.5865, 14.7330, 4.3894



11.6942, 14.7330, 5.0237



9.7173, 14.7330, 8.0589

Triad

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



11.6942, 14.7330, 5.0237



10.8325, 14.7330, 34.1711



20.7638, 14.7330, 17.7466

Complementary

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



11.6942, 14.7330, 5.0237



5.9626, 4.2986, 16.1391

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.



19.3941, 14.7330, 28.0714



11.6942, 14.7330, 5.0237



13.4358, 14.7330, 39.5382

Square

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



11.6942, 14.7330, 5.0237



9.2733, 14.7330, 24.1276



16.5979, 14.7330, 36.9722



20.1178, 14.7330, 10.0003

Rectangle

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



11.6942, 14.7330, 5.0237



9.0378, 14.7330, 11.9049



16.5979, 14.7330, 36.9722



20.5184, 14.7330, 21.0406

Sweetspot

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



11.6946, 14.7337, 5.0240



25.4395, 28.4005, 22.8003



9.0128, 7.0620, 3.6846



5.8369, 6.5476, 5.1156



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.



11.6946, 14.7337, 5.0240



19.8894, 25.8940, 6.5189



8.7883, 13.2354, 4.8880



3.5797, 3.8842, 3.6344



11.5092, 15.8769, 2.4580



56.6225, 78.7240, 12.2109

Inverse Universe

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



5.9626, 4.2986, 16.1391



8.5730, 5.2446, 28.5359



8.6031, 5.6598, 16.2627



3.2742, 3.3296, 4.2243



3.7571, 1.5463, 17.8220



18.1324, 7.4020, 88.7522

Previews

White Background



This preview shows how the XYZ color 11.6942, 14.7330, 5.0237 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 11.6942, 14.7330, 5.0237 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 11.6942, 14.7330, 5.0237

Background



This preview shows how black text looks on a background with the XYZ color 11.6942, 14.7330, 5.0237.



This preview shows how white text looks on a background with the XYZ color 11.6942, 14.7330,

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

11.6942, 14.7330, 5.0237

Protanopia

13.3586, 14.6346, 4.7055

Deuteranopia

14.8646, 14.6473, 5.1757



Tritanopia

14.2547, 14.6488, 17.9958

Trichromacy



Original Color

11.6942, 14.7330, 5.0237

Protanomaly

12.6638, 14.5873, 4.8375

Deuteranomaly

13.4755, 14.5314, 5.1122

Tritanomaly

13.0230, 14.6185, 11.8081

Monochromacy



Original Color

11.6942, 14.7330, 5.0237

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0439, 13.6840, 9.9891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6942, 14.7330, 5.0237 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(100, 113, 48)` looks like.

```
.text, #text, p{  
    color:rgb(100, 113, 48)  
}
```

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(100, 113, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 113, 48) }
```

Border

The CSS property to change the border of an element to XYZ 11.6942, 14.7330, 5.0237 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(100, 113, 48) }
```


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

```
.border{ border-color:rgb(100, 113, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 113, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 113, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 113, 48);  
box-shadow:4px 4px 4px 4px rgb(100, 113,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6942, 14.7330, 5.0237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 113, 48) }
```

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

```
.background{ background-color: rgb(100,  
113, 48) }
```

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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