

Converting Colors

XYZ(11.6780, 11.7970, 4.7277)

Have a look what the booklet for
XYZ(11.6780, 11.7970, 4.7277)
contains.

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Color

**XYZ(11.6925, 11.7720,
4.6736)**

Conversions

Conversions Part 1

Format	Color
Hex	745D32
RGB	116, 93, 50
RGB Percent	45%, 36%, 20%
CMY	0.5451, 0.6353, 0.8039
CMYK	0.00, 0.20, 0.57, 0.55
HSL	39°, 40%, 33%
HSV	39°, 57%, 45%
XYZ	11.6925, 11.7720, 4.6736
YIQ	94.9750, 27.5110, -8.4970

Conversions

Conversions Part 2

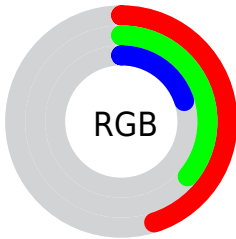
Format	Color
RYB	85, 116, 50
Decimal	7626034
CIELab	40.85, 3.62, 27.99
CIELCh	41, 28.227, 82.627
Yxy	11.7720, 0.4155, 0.4184
Android (android.graphics.Color)	4285816114 (0xFF745D32)
YUV	94.9750, -22.1727, 18.4389
Hunter-Lab	34.3103, 0.7873, 15.9410

Details

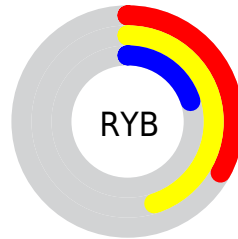
The XYZ color **11.6925, 11.7720, 4.6736** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.8502, 6.7038, 17.4557**, and the grayscale version is **10.9183, 11.4869, 12.5092**.

A 20% lighter version of the original color is **28.5577, 29.0540, 15.4121**, and **3.2184, 3.1656, 0.5563** is the 20% darker color. If you saturate the color by 10%, you get **11.1279, 10.9939, 3.4034**, and if you desaturate by 10%, it is **12.3399, 12.6142, 6.2847**.

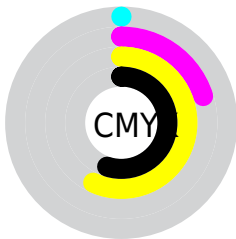
Distribution



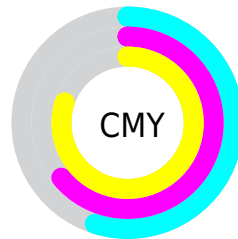
- Red (45%)
- Green (36%)
- Blue (20%)



- Red (33%)
- Yellow (45%)
- Blue (20%)



- Cyan (0%)
- Magenta (20%)
- Yellow (57%)
- Black (55%)



- Cyan (55%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6925, 11.7720, 4.6736 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 11.6925, 11.7720, 4.6736 by changing the saturation by 10% instead.

■ 11.6925, 11.7720,
4.6736

■ 11.6925, 11.7720,
4.6736

196.1706,
202.8900, 155.4416

■ 6.6054, 6.5886,
2.0017

■ 28.5555, 29.0792,
15.5357

■ 3.2607, 3.2062,
0.5563

■ 41.0622, 41.9717,
24.5629

■ 1.2931, 1.2403,
0.0000

■ 56.7727, 58.2028,
36.5457

■ 0.1780, 0.0943,
0.0000

■ 76.0524, 78.1569,
51.9026

■ 0.0000, 0.0000,
0.0000

■ 99.2667, 102.2182,
71.0521

■ 126.7809,

130.7712, 94.4127

158.9604,
164.2003, 122.4030

■ 11.6925, 11.7720,
4.6736

■ 11.6925, 11.7720,
4.6736

■ 11.1279, 10.9939,
3.4034

■ 12.3399, 12.6142,
6.2847

■ 10.6401, 10.2756,
2.4475

■ 13.0738, 13.5210,
8.2591

■ 10.2234, 9.6148,
1.7765

■ 13.8989, 14.4951,
10.6183

■ 9.8645, 9.0057,
1.3218

■ 14.8191, 15.5386,
13.3816

■ 9.7581, 8.8243,
1.1890

■ 15.8381, 16.6534,
16.5674

■ 16.9593, 17.8413,
20.1925

■ 18.1862, 19.1040,
24.2732

■ 19.5217, 20.4431,
28.8246

■ 20.9690, 21.8602,
33.8615

Harmonies

Analogous

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



13.7039, 11.7720, 5.8779



11.6925, 11.7720, 4.6736



9.7663, 11.7720, 5.0727

Triad

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



11.6925, 11.7720, 4.6736



7.9860, 11.7720, 17.5674



14.5515, 11.7720, 20.7827

Complementary

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



11.6925, 11.7720, 4.6736



6.8502, 6.7038, 17.4557

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.



12.7434, 11.7720, 25.9964



11.6925, 11.7720, 4.6736



9.0022, 11.7720, 23.7853

Square

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



11.6925, 11.7720, 4.6736



7.7758, 11.7720, 11.4485



10.7000, 11.7720, 27.2344



15.4782, 11.7720, 14.2919

Rectangle

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



11.6925, 11.7720, 4.6736



8.7694, 11.7720, 6.2745



10.7000, 11.7720, 27.2344



14.0170, 11.7720, 22.8136

Sweetspot

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



11.6928, 11.7726, 4.6738



25.9587, 27.2131, 23.2442



9.5490, 6.4767, 7.0677



6.1321, 6.4241, 5.3600



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.6928, 11.7726, 4.6738



19.3054, 18.9580, 5.4537



12.7768, 15.7912, 5.3924



3.8644, 4.0617, 3.9226



10.9333, 9.8678, 1.3284



52.4549, 46.4382, 6.1988

Inverse Universe

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



6.8502, 6.7038, 17.4557



9.9212, 9.1567, 30.2890



6.1505, 4.4999, 17.0672



3.5953, 3.7793, 4.6302



4.3888, 3.1174, 18.9130



20.6538, 13.7242, 91.9208

Previews

White Background



This preview shows how the XYZ color 11.6925, 11.7720, 4.6736 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 11.6925, 11.7720, 4.6736 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

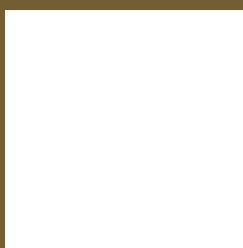
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6925, 11.7720, 4.6736

Background



This preview shows how black text looks on a background with the XYZ color 11.6925, 11.7720, 4.6736.



This preview shows how white text looks on a background with the XYZ color 11.6925, 11.7720,

4.6736.

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

11.6925, 11.7720, 4.6736

Protanopia

10.8161, 11.8526, 4.8497

Deuteranopia

11.8741, 11.7361, 4.6571



Tritanopia

13.3010, 11.7987, 12.4028

Trichromacy



Original Color

11.6925, 11.7720, 4.6736

Protanomaly

11.2108, 11.9198, 4.8418

Deuteranomaly

11.7390, 11.6665, 4.6508

Tritanomaly

12.6752, 11.7988, 9.0065

Monochromacy



Original Color

11.6925, 11.7720, 4.6736

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0075, 11.4535, 9.0277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6925, 11.7720, 4.6736 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(116, 93, 50)` looks like.

```
.text, #text, p{  
    color:rgb(116, 93, 50)  
}
```

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(116, 93, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 93, 50) }
```

Border

The CSS property to change the border of an element to XYZ 11.6925, 11.7720, 4.6736 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(116, 93, 50) }
```


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

```
.border{ border-color:rgb(116, 93, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 93, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 93, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 93, 50);  
box-shadow:4px 4px 4px 4px rgb(116, 93,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6925, 11.7720, 4.6736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 93, 50) }
```

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

```
.background{ background-color: rgb(116, 93,  
50) }
```

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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