

Converting Colors

XYZ(13.8520, 11.6010, 28.7033)

Have a look what the booklet for
XYZ(13.8520, 11.6010, 28.7033)
contains.

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Color

**XYZ(13.8520, 11.6010,
28.7033)**

Conversions

Conversions Part 1

Format	Color
Hex	645792
RGB	100, 87, 146
RGB Percent	39%, 34%, 57%
CMY	0.6078, 0.6588, 0.4274
CMYK	0.32, 0.40, 0.00, 0.43
HSL	253°, 25%, 46%
HSV	253°, 40%, 57%
XYZ	13.8520, 11.6010, 28.7033
YIQ	97.6130, -11.1910, 21.1050

Conversions

Conversions Part 2

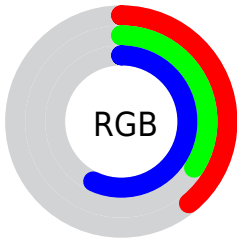
Format	Color
R_{YB}	100, 87, 146
Decimal	6576018
CIE Lab	40.57, 19.27, -30.70
CIE LCh	41, 36.242, 302.116
Yxy	11.6010, 0.2558, 0.2142
Android (android.graphics.Color)	4284766098 (0xFF645792)
YUV	97.6130, 23.8548, 2.0934
Hunter-Lab	34.0602, 12.9890, -26.1228

Details

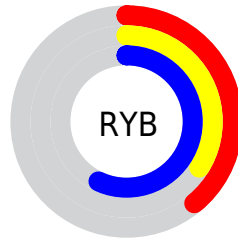
The XYZ color **13.8520, 11.6010, 28.7033** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.6723, 26.2327, 12.9384**, and the grayscale version is **11.4586, 12.0553, 13.1282**.

A 20% lighter version of the original color is **32.3199, 28.7369, 58.4869**, and **4.1739, 3.0902, 11.2030** is the 20% darker color. If you saturate the color by 10%, you get **11.6151, 8.8672, 28.2937**, and if you desaturate by 10%, it is **16.5048, 14.9045, 29.2013**.

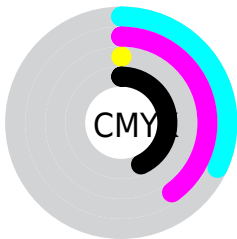
Distribution



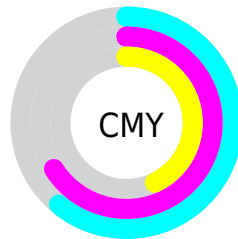
- Red (39%)
- Green (34%)
- Blue (57%)



- Red (39%)
- Yellow (34%)
- Blue (57%)



- Cyan (32%)
- Magenta (40%)
- Yellow (0%)
- Black (43%)



- Cyan (61%)
- Magenta (66%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8520, 11.6010, 28.7033 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 13.8520, 11.6010, 28.7033 by changing the saturation by 10% instead.

■ 13.8520, 11.6010,
28.7033

■ 13.8520, 11.6010,
28.7033

209.8373,
201.7456, 309.8295

■ 8.0988, 6.4726,
18.6128

■ 32.4147, 28.7663,
58.6419

■ 4.2106, 3.1345,
11.2169

■ 45.9548, 41.5720,
79.3271

■ 1.8219, 1.2024,
6.0969

■ 62.8214, 57.7056,
104.3810

■ 0.5308, 0.0636,
2.8344

■ 83.3797, 77.5514,
134.2221

■ 0.0000, 0.0000,
1.0107

■ 107.9951,
101.4940, 169.2690

■ 0.0000, 0.0000,
0.0000

137.0329,

129.9176, 209.9401

170.8585,
163.2067, 256.6541

■ 13.8520, 11.6010,
28.7033

■ 13.8520, 11.6010,
28.7033

■ 11.6151, 8.8672,
28.2937

■ 16.5048, 14.9045,
29.2013

■ 9.7711, 6.6691,
27.9666

■ 19.5922, 18.8066,
29.7918

■ 8.2964, 4.9709,
27.7166

■ 23.1337, 23.3355,
30.4793

■ 7.1647, 3.7320,
27.5371

■ 27.1466, 28.5176,
31.2680

■ 6.3453, 2.9049,
27.4206

■ 31.6479, 34.3774,
32.1618

■ 5.7893, 2.3852,
27.3496

■ 36.6534, 40.9384,
33.1644

■ 42.1781, 48.2228,
34.2793

■ 48.2367, 56.2520,
35.5098

■ 54.8430, 65.0463,
36.8590

Harmonies

Analogous

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



11.2089, 11.6010, 32.5726



13.8520, 11.6010, 28.7033



15.9677, 11.6010, 20.4270

Triad

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



13.8520, 11.6010, 28.7033



13.4892, 11.6010, 3.8261



6.8070, 11.6010, 13.1585

Complementary

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



13.8520, 11.6010, 28.7033



21.6723, 26.2327, 12.9384

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.



7.2268, 11.6010, 7.1246



13.8520, 11.6010, 28.7033



10.8459, 11.6010, 3.1390

Square

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



13.8520, 11.6010, 28.7033



15.7365, 11.6010, 6.5274



8.6138, 11.6010, 4.0654



7.3646, 11.6010, 21.6927

Rectangle

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



13.8520, 11.6010, 28.7033



16.6483, 11.6010, 14.6630



8.6138, 11.6010, 4.0654



6.8383, 11.6010, 10.7969

Sweetspot

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



13.8524, 11.6014, 28.7036



39.6037, 39.6169, 53.5331



17.5363, 20.9363, 30.3112



8.6498, 8.6075, 11.8777



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.8524, 11.6014, 28.7036



21.0144, 16.2770, 50.0077



17.6932, 13.5814, 28.8833



5.6119, 5.6909, 7.2724



5.1112, 2.1075, 24.0684



0.0840, 0.0369, 0.2956

Inverse Universe

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



19.4962, 14.6212, 23.9851



32.4284, 22.3940, 40.0225



17.6756, 24.1723, 12.7513



5.9812, 5.8875, 7.0070



13.1044, 6.4468, 14.5627



0.1712, 0.0832, 0.2354

Previews

White Background



This preview shows how the XYZ color 13.8520, 11.6010, 28.7033 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 13.8520, 11.6010, 28.7033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

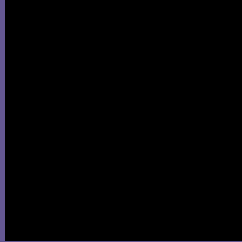
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8520, 11.6010, 28.7033

Background



This preview shows how black text looks on a background with the XYZ color 13.8520, 11.6010, 28.7033.



This preview shows how white text looks on a background with the XYZ color 13.8520, 11.6010,

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

13.8520, 11.6010, 28.7033

Protanopia

12.4942, 11.7283, 31.3110

Deuteranopia

11.8739, 11.6145, 28.0016



Tritanopia

10.9959, 11.5894, 14.7541

Trichromacy



Original Color

13.8520, 11.6010, 28.7033

Protanomaly

12.8134, 11.5232, 30.4030

Deuteranomaly

12.5053, 11.5376, 28.3559

Tritanomaly

11.8602, 11.5403, 19.0552

Monochromacy



Original Color

13.8520, 11.6010, 28.7033

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.2428, 11.8959, 17.8705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8520, 11.6010, 28.7033 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, 87, 146)` looks like.

```
.text, #text, p{  
    color:rgb(100, 87, 146)  
}
```

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, 87, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 87, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.8520, 11.6010, 28.7033 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, 87, 146) }
```


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

```
.border{ border-color:rgb(100, 87, 146) }
```

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

Here you see how a box with a 4 pixel rgb(100, 87, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 87, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 87, 146);  
box-shadow:4px 4px 4px 4px rgb(100, 87,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8520, 11.6010, 28.7033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 87, 146) }
```

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

```
.background{ background-color: rgb(100, 87,  
146) }
```

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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