

Converting Colors

XYZ(13.2137, 11.4011, 23.4416)

Have a look what the booklet for
XYZ(13.2137, 11.4011, 23.4416)
contains.

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Color

**XYZ(13.1666, 11.3659,
23.3297)**

Conversions

Conversions Part 1

Format	Color
Hex	675784
RGB	103, 87, 132
RGB Percent	40%, 34%, 52%
CMY	0.5961, 0.6588, 0.4824
CMYK	0.22, 0.34, 0.00, 0.48
HSL	261°, 21%, 43%
HSV	261°, 34%, 52%
XYZ	13.1666, 11.3659, 23.3297
YIQ	96.9140, -4.9090, 17.3870

Conversions

Conversions Part 2

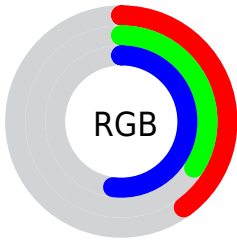
Format	Color
R_{YB}	103, 87, 132
Decimal	6772612
CIE Lab	40.19, 16.51, -22.80
CIE LCh	40, 28.150, 305.916
Yxy	11.3659, 0.2751, 0.2375
Android (android.graphics.Color)	4284962692 (0xFF675784)
YUV	96.9140, 17.2974, 5.3374
Hunter-Lab	33.7134, 10.7140, -17.4294

Details

The XYZ color **13.1666, 11.3659, 23.3297** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.1743, 20.9039, 12.1469**, and the grayscale version is **11.3013, 11.8898, 12.9480**.

A 20% lighter version of the original color is **31.2202, 28.3627, 49.7280**, and **3.8915, 3.0073, 8.3580** is the 20% darker color. If you saturate the color by 10%, you get **11.2675, 8.9431, 22.9623**, and if you desaturate by 10%, it is **15.3612, 14.2317, 23.7674**.

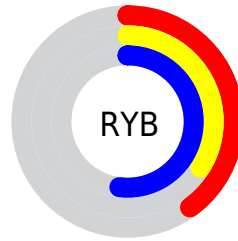
Distribution



Red (40%)

Green (34%)

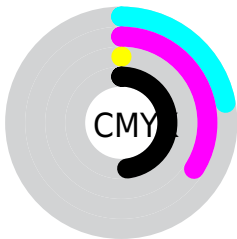
Blue (52%)



Red (40%)

Yellow (34%)

Blue (52%)

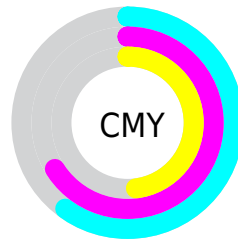


Cyan (22%)

Magenta (34%)

Yellow (0%)

Black (48%)



Cyan (60%)

Magenta (66%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1666, 11.3659, 23.3297 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 13.1666, 11.3659, 23.3297 by changing the saturation by 10% instead.

■ 13.1666, 11.3659,
23.3297

■ 13.1666, 11.3659,
23.3297

205.5987,
200.1609, 282.5905

■ 7.6212, 6.3135,
14.6296

■ 31.2015, 28.3348,
49.8642

■ 3.9033, 3.0366,
8.4161

■ 44.4217, 41.0201,
68.5356

■ 1.6476, 1.1509,
4.2708

■ 60.9309, 57.0186,
91.3678

■ 0.4231, 0.0210,
1.7750

■ 81.0944, 76.7145,
118.7794

■ 0.0000, 0.0000,
0.4114

■ 105.2776,
100.4923, 151.1890

■ 0.0000, 0.0000,
0.0000

133.8458,

128.7363, 189.0150

167.1644,
161.8311, 232.6760

■ 13.1666, 11.3659,
23.3297

■ 13.1666, 11.3659,
23.3297

■ 11.2675, 8.9431,
22.9623

■ 15.3612, 14.2317,
23.7674

■ 9.6492, 6.9390,
22.6608

■ 17.8628, 17.5603,
24.2780

■ 8.2972, 5.3292,
22.4213

■ 20.6838, 21.3719,
24.8650

■ 7.1952, 4.0859,
22.2394

■ 23.8353, 25.6852,
25.5315

■ 6.3250, 3.1777,
22.1100

■ 27.3281, 30.5177,
26.2802

■ 5.6638, 2.5644,
22.0265

■ 31.1723, 35.8862,
27.1138

■ 5.3342, 2.2687,
21.9868

■ 35.3777, 41.8067,
28.0349

■ 39.9537, 48.2945,
29.0460

■ 44.9092, 55.3643,
30.1494

Harmonies

Analogous

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



11.1958, 11.3659, 26.5060



13.1666, 11.3659, 23.3297



14.6196, 11.3659, 17.3205

Triad

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



13.1666, 11.3659, 23.3297



12.4142, 11.3659, 4.9084



7.4727, 11.3659, 13.5210

Complementary

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



13.1666, 11.3659, 23.3297



17.1743, 20.9039, 12.1469

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.



7.7161, 11.3659, 8.4746



13.1666, 11.3659, 23.3297



10.4194, 11.3659, 4.4477

Square

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



13.1666, 11.3659, 23.3297



14.1498, 11.3659, 7.0648



8.7406, 11.3659, 5.5334



8.0304, 11.3659, 19.8435

Rectangle

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



13.1666, 11.3659, 23.3297



15.0126, 11.3659, 13.1599



8.7406, 11.3659, 5.5334



7.4645, 11.3659, 11.6230

Sweetspot

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



13.1670, 11.3664, 23.3300



33.3184, 33.4253, 43.1488



14.3700, 16.2411, 24.2075



7.6208, 7.5983, 10.0176



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.1670, 11.3664, 23.3300



20.5320, 16.6169, 40.5784



16.0674, 12.8616, 23.4657



4.5792, 4.6192, 5.8510



5.1702, 2.1995, 21.2887



0.0253, 0.0114, 0.0741

Inverse Universe

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



16.0766, 12.9833, 18.1820



26.5803, 19.9835, 29.6274



14.5624, 19.5574, 12.0247



4.7894, 4.7355, 5.5035



10.8064, 5.3869, 8.8186



0.0409, 0.0201, 0.0489

Previews

White Background



This preview shows how the XYZ color 13.1666, 11.3659, 23.3297 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 13.1666, 11.3659, 23.3297 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 13.1666, 11.3659, 23.3297

Background



This preview shows how black text looks on a background with the XYZ color 13.1666, 11.3659, 23.3297.

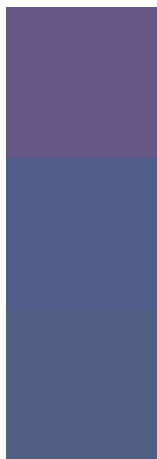


This preview shows how white text looks on a background with the XYZ color 13.1666, 11.3659,

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

13.1666, 11.3659, 23.3297

Protanopia

11.8230, 11.3842, 25.2411

Deuteranopia

11.6667, 11.4831, 23.0743



Tritanopia

11.1931, 11.3097, 13.9050

Trichromacy



Original Color

13.1666, 11.3659, 23.3297

Protanomaly

12.2341, 11.3553, 24.4687

Deuteranomaly

12.0543, 11.2945, 23.0175

Tritanomaly

11.8113, 11.3047, 16.8887

Monochromacy



Original Color

13.1666, 11.3659, 23.3297

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8744, 11.6071, 16.3664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1666, 11.3659, 23.3297 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, 87, 132)` looks like.

```
.text, #text, p{  
    color:rgb(103, 87, 132)  
}
```

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, 87, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 87, 132) }
```

Border

The CSS property to change the border of an element to XYZ 13.1666, 11.3659, 23.3297 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, 87, 132) }
```


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

```
.border{ border-color:rgb(103, 87, 132) }
```

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

Here you see how a box with a 4 pixel rgb(103, 87, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 87, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 87, 132);  
box-shadow:4px 4px 4px 4px rgb(103, 87,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1666, 11.3659, 23.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 87, 132) }
```

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

```
.background{ background-color: rgb(103, 87,  
132) }
```

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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