

Converting Colors

XYZ(13.5929, 12.7979, 33.2063)

Have a look what the booklet for
XYZ(13.5929, 12.7979, 33.2063)
contains.

XYZ(13.5929, 12.7979, 33.2063)	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(13.5929, 12.7979,
33.2063)**

Conversions

Conversions Part 1

Format	Color
Hex	4F629C
RGB	79, 98, 156
RGB Percent	31%, 38%, 61%
CMY	0.6902, 0.6157, 0.3882
CMYK	0.49, 0.37, 0.00, 0.39
HSL	225°, 33%, 46%
HSV	225°, 49%, 61%
XYZ	13.5929, 12.7979, 33.2063
YIQ	98.9310, -29.9420, 14.0100

Conversions

Conversions Part 2

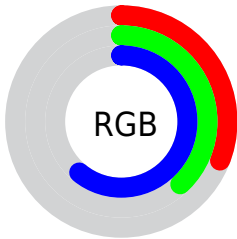
Format	Color
R_{YB}	79, 94, 156
Decimal	5202588
CIE Lab	42.46, 9.50, -33.83
CIE LCh	42, 35.143, 285.689
Yxy	12.7979, 0.2281, 0.2147
Android (android.graphics.Color)	4283392668 (0xFF4F629C)
YUV	98.9310, 28.1350, -17.4795
Hunter-Lab	35.7742, 5.2189, -29.9923

Details

The XYZ color **13.5929, 12.7979, 33.2063** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.0680, 25.5248, 11.0562**, and the grayscale version is **11.7796, 12.3931, 13.4961**.

A 20% lighter version of the original color is **31.8635, 30.7885, 65.8914**, and **4.0800, 3.6376, 13.5838** is the 20% darker color. If you saturate the color by 10%, you get **11.4244, 10.1660, 32.8128**, and if you desaturate by 10%, it is **16.2283, 15.9106, 33.6685**.

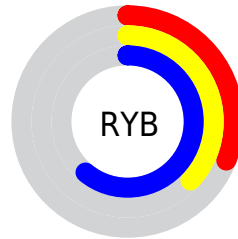
Distribution



Red (31%)

Green (38%)

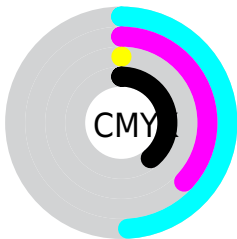
Blue (61%)



Red (31%)

Yellow (37%)

Blue (61%)

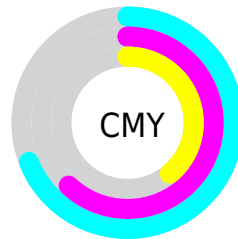


Cyan (49%)

Magenta (37%)

Yellow (0%)

Black (39%)



Cyan (69%)

Magenta (62%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5929, 12.7979, 33.2063 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 13.5929, 12.7979, 33.2063 by changing the saturation by 10% instead.

■ 13.5929, 12.7979,
33.2063

■ 13.5929, 12.7979,
33.2063

208.2450,
209.6183, 331.2388

■ 7.9179, 7.2895,
22.0121

■ 31.9573, 30.9402,
65.8172

■ 4.0938, 3.6438,
13.6674

■ 45.3773, 44.3430,
88.0710

■ 1.7553, 1.4764,
7.7536

■ 62.1097, 61.1459,
114.8484

■ 0.4905, 0.2720,
3.8522

■ 82.5199, 81.7336,
146.5680

■ 0.0000, 0.0000,
1.5446

■ 106.9731,
106.4902, 183.6483

■ 0.0000, 0.0000,
0.2508

135.8348,

■ 0.0000, 0.0000,

135.8003, 226.5078

0.0000

169.4704,
170.0482, 275.5651

■ 13.5929, 12.7979,
33.2063

■ 13.5929, 12.7979,
33.2063

■ 11.4244, 10.1660,
32.8128

■ 16.2283, 15.9106,
33.6685

■ 9.6927, 7.9884,
32.4838

■ 19.3553, 19.5259,
34.2015

■ 8.3664, 6.2378,
32.2158

■ 22.9986, 23.6659,
34.8086

■ 7.4086, 4.8833,
32.0048

■ 27.1804, 28.3510,
35.4925

■ 6.7470, 3.8740,
31.8449

■ 31.9221, 33.6005,
36.2558

■ 6.7097, 3.8181,
31.8361

■ 37.2436, 39.4326,
37.1010

■ 43.1638, 45.8648,
38.0305

■ 49.7009, 52.9137,
39.0466

■ 56.8722, 60.5954,
40.1513

Harmonies

Analogous

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



10.9488, 12.7979, 33.3684



13.5929, 12.7979, 33.2063



16.1816, 12.7979, 26.7988

Triad

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



13.5929, 12.7979, 33.2063



16.0771, 12.7979, 5.8904



7.8687, 12.7979, 10.6332

Complementary

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



13.5929, 12.7979, 33.2063



24.0680, 25.5248, 11.0562

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.



8.8734, 12.7979, 6.0311



13.5929, 12.7979, 33.2063



13.4660, 12.7979, 4.0452

Square

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



13.5929, 12.7979, 33.2063



17.7515, 12.7979, 10.3530



10.8390, 12.7979, 4.0851



7.8925, 12.7979, 18.2597

Rectangle

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



13.5929, 12.7979, 33.2063



17.4169, 12.7979, 20.8384



10.8390, 12.7979, 4.0851



8.0902, 12.7979, 8.7539

Sweetspot

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



13.5934, 12.7984, 33.2066



44.7349, 46.3169, 63.7090



19.6109, 27.2386, 27.7975



9.5260, 9.8349, 13.9666



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.5934, 12.7984, 33.2066



20.4658, 18.1133, 59.5443



13.8614, 10.6036, 32.7689



6.4111, 6.6880, 8.3597



5.5507, 3.1929, 26.2310



0.1294, 0.1173, 0.4791

Inverse Universe

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



18.7113, 13.5424, 13.1833



31.0439, 20.3221, 18.0086



23.5758, 29.6391, 11.8762



6.6968, 6.6717, 7.2547



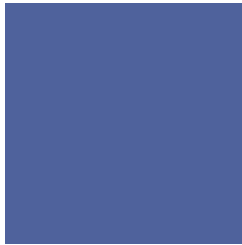
11.5999, 5.9445, 2.1443



0.2226, 0.1124, 0.1184

Previews

White Background



This preview shows how the XYZ color 13.5929, 12.7979, 33.2063 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 13.5929, 12.7979, 33.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

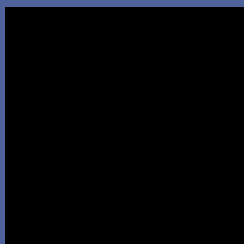
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

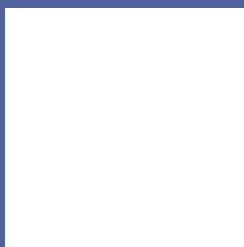
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5929, 12.7979, 33.2063

Background



This preview shows how black text looks on a background with the XYZ color 13.5929, 12.7979, 33.2063.

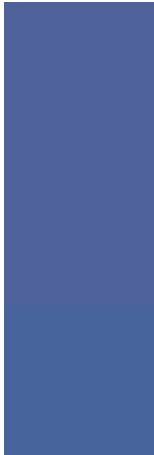


This preview shows how white text looks on a background with the XYZ color 13.5929, 12.7979,

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

13.5929, 12.7979, 33.2063

Protanopia

13.5929, 12.7979, 33.2063

Deuteranopia

13.1565, 12.8542, 33.2402



Tritanopia

10.4953, 12.7041, 18.1186

Trichromacy



Original Color

13.5929, 12.7979, 33.2063

Protanomaly

13.5929, 12.7979, 33.2063

Deuteranomaly

13.2866, 12.7798, 33.2190

Tritanomaly

11.4780, 12.6518, 22.9562

Monochromacy



Original Color

13.5929, 12.7979, 33.2063

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.2656, 12.5551, 19.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5929, 12.7979, 33.2063 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(79, 98, 156)` looks like.

```
.text, #text, p{  
    color:rgb(79, 98, 156)  
}
```

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(79, 98, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 98, 156) }
```

Border

The CSS property to change the border of an element to XYZ 13.5929, 12.7979, 33.2063 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(79, 98, 156) }
```


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

```
.border{ border-color:rgb(79, 98, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 98, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 98, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 98, 156);  
box-shadow:4px 4px 4px 4px rgb(79, 98,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5929, 12.7979, 33.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 98, 156) }
```

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

```
.background{ background-color: rgb(79, 98,  
156) }
```

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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