

Converting Colors

XYZ(13.7127, 13.2322, 22.7407)

Have a look what the booklet for
XYZ(13.7127, 13.2322, 22.7407)
contains.

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Color

**XYZ(13.6798, 13.2180,
22.5992)**

Conversions

Conversions Part 1

Format	Color
Hex	646381
RGB	100, 99, 129
RGB Percent	39%, 39%, 51%
CMY	0.6078, 0.6118, 0.4941
CMYK	0.22, 0.23, 0.00, 0.49
HSL	242°, 13%, 45%
HSV	242°, 23%, 51%
XYZ	13.6798, 13.2180, 22.5992
YIQ	102.7190, -9.0340, 9.5420

Conversions

Conversions Part 2

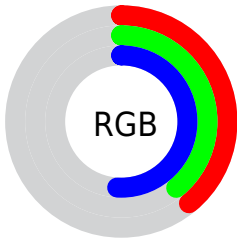
Format	Color
R_{YB}	100, 99, 129
Decimal	6579073
CIE Lab	43.09, 7.33, -16.54
CIE LCh	43, 18.089, 293.912
Yxy	13.2180, 0.2764, 0.2670
Android (android.graphics.Color)	4284769153 (0xFF646381)
YUV	102.7190, 12.9565, -2.3846
Hunter-Lab	36.3566, 3.5398, -11.4050

Details

The XYZ color **13.6798, 13.2180, 22.5992** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.0050, 21.1909, 14.8936**, and the grayscale version is **12.7869, 13.4529, 14.6502**.

A 20% lighter version of the original color is **32.1123, 31.7694, 48.6956**, and **4.1893, 3.8823, 8.1180** is the 20% darker color. If you saturate the color by 10%, you get **11.2787, 10.3088, 22.1644**, and if you desaturate by 10%, it is **16.4882, 16.6276, 23.1095**.

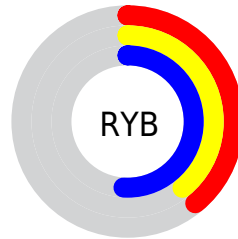
Distribution



Red (39%)

Green (39%)

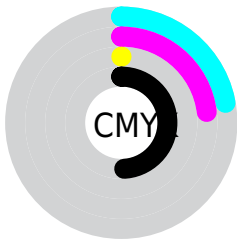
Blue (51%)



Red (39%)

Yellow (39%)

Blue (51%)

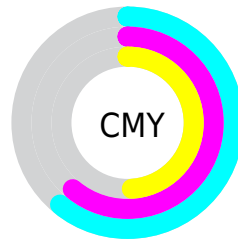


Cyan (22%)

Magenta (23%)

Yellow (0%)

Black (49%)



Cyan (61%)

Magenta (61%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6798, 13.2180, 22.5992 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 13.6798, 13.2180, 22.5992 by changing the saturation by 10% instead.

■ 13.6798, 13.2180,
22.5992

■ 13.6798, 13.2180,
22.5992

208.7804,
212.3101, 278.7146

■ 7.9785, 7.5788,
14.0953

■ 32.1108, 31.6949,
48.6492

■ 4.1329, 3.8267,
8.0475

■ 45.5713, 45.3014,
67.0324

■ 1.7776, 1.5771,
4.0371

■ 62.3488, 62.3324,
89.5458

■ 0.5041, 0.3421,
1.6457

■ 82.8088, 83.1725,
116.6079

■ 0.0000, 0.0000,
0.3232

107.3166,
108.2059, 148.6373

■ 0.0000, 0.0000,
0.0000

136.2376,

137.8170, 186.0525

169.9370,
172.3903, 229.2721

■ 13.6798, 13.2180,
22.5992

■ 13.6798, 13.2180,
22.5992

■ 11.2787, 10.3088,
22.1644

■ 16.4882, 16.6276,
23.1095

■ 9.2647, 7.8750,
21.8008

■ 19.7202, 20.5579,
23.6978

■ 7.6180, 5.8918,
21.5048

■ 23.3927, 25.0301,
24.3675

■ 6.3164, 4.3315,
21.2722

■ 27.5215, 30.0635,
25.1214

■ 5.3354, 3.1634,
21.0985

■ 32.1215, 35.6768,
25.9624

■ 4.6472, 2.3527,
20.9783

■ 37.2068, 41.8876,
26.8932

■ 4.2186, 1.8573,
20.9052

■ 42.7911, 48.7127,
27.9163

■ 4.0162, 1.6127,
20.8687

■ 48.8876, 56.1685,
29.0340

■ 55.5087, 64.2706,
30.2489

Harmonies

Analogous

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



12.2815, 13.2180, 23.4399



13.6798, 13.2180, 22.5992



14.8529, 13.2180, 19.3964

Triad

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



13.6798, 13.2180, 22.5992



14.2069, 13.2180, 9.0435



10.0852, 13.2180, 13.5943

Complementary

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



13.6798, 13.2180, 22.5992



19.0050, 21.1909, 14.8936

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.



10.5220, 13.2180, 10.3324



13.6798, 13.2180, 22.5992



12.8494, 13.2180, 8.0360

Square

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



13.6798, 13.2180, 22.5992



15.1726, 13.2180, 11.5032



11.5093, 13.2180, 8.4601



10.2717, 13.2180, 17.7284

Rectangle

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



13.6798, 13.2180, 22.5992



15.3147, 13.2180, 16.6228



11.5093, 13.2180, 8.4601



10.1629, 13.2180, 12.3706

Sweetspot

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



13.6802, 13.2185, 22.5995



32.9589, 33.9490, 42.0082



16.8930, 19.8071, 23.7019



7.4020, 7.6135, 9.4978



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.6802, 13.2185, 22.5995



22.0866, 20.7481, 40.0332



15.4294, 14.1203, 22.6814



4.1211, 4.2180, 5.4102



3.9166, 1.5728, 20.3471



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.4118, 15.1499, 22.4292



30.0214, 24.8554, 39.6443



16.9774, 20.1456, 14.7987



4.4922, 4.4100, 5.3963



12.4182, 5.9870, 19.3238



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6798, 13.2180, 22.5992 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 13.6798, 13.2180, 22.5992 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 13.6798, 13.2180, 22.5992

Background



This preview shows how black text looks on a background with the XYZ color 13.6798, 13.2180, 22.5992.

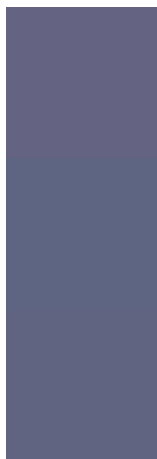


This preview shows how white text looks on a background with the XYZ color 13.6798, 13.2180,

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

13.6798, 13.2180, 22.5992

Protanopia

13.2990, 13.2988, 22.9851

Deuteranopia

13.4494, 13.2407, 22.6157



Tritanopia

12.4956, 13.1699, 16.6353

Trichromacy



Original Color

13.6798, 13.2180, 22.5992

Protanomaly

13.4103, 13.2128, 22.9626

Deuteranomaly

13.5566, 13.2960, 22.6208

Tritanomaly

12.9016, 13.1884, 18.6952

Monochromacy



Original Color

13.6798, 13.2180, 22.5992

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.1555, 13.4974, 17.2411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6798, 13.2180, 22.5992 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, 99, 129)` looks like.

```
.text, #text, p{  
    color:rgb(100, 99, 129)  
}
```

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, 99, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 99, 129) }
```

Border

The CSS property to change the border of an element to XYZ 13.6798, 13.2180, 22.5992 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, 99, 129) }
```


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

```
.border{ border-color:rgb(100, 99, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 99, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 99, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 99, 129);  
box-shadow:4px 4px 4px 4px rgb(100, 99,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6798, 13.2180, 22.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 99, 129) }
```

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

```
.background{ background-color: rgb(100, 99,  
129) }
```

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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