

Converting Colors

XYZ(13.1777, 11.8406, 21.8409)

Have a look what the booklet for
XYZ(13.1777, 11.8406, 21.8409)
contains.

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Color

**XYZ(13.2309, 11.9242,
22.0263)**

Conversions

Conversions Part 1

Format	Color
Hex	675B80
RGB	103, 91, 128
RGB Percent	40%, 36%, 50%
CMY	0.5961, 0.6431, 0.4980
CMYK	0.20, 0.29, 0.00, 0.50
HSL	259°, 17%, 43%
HSV	259°, 29%, 50%
XYZ	13.2309, 11.9242, 22.0263
YIQ	98.8060, -4.7250, 14.0510

Conversions

Conversions Part 2

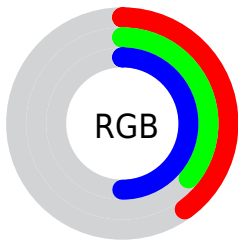
Format	Color
R_{YB}	103, 91, 128
Decimal	6773632
CIE _{Lab}	41.10, 13.03, -18.97
CIE _{LCh}	41, 23.011, 304.492
Yxy	11.9242, 0.2804, 0.2527
Android (android.graphics.Color)	4284963712 (0xFF675B80)
YUV	98.8060, 14.3926, 3.6781
Hunter-Lab	34.5314, 7.9632, -13.6469

Details

The XYZ color **13.2309, 11.9242, 22.0263** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.8102, 19.9069, 12.8544**, and the grayscale version is **11.7771, 12.3904, 13.4931**.

A 20% lighter version of the original color is **31.3829, 29.3545, 47.7280**, and **3.9252, 3.2535, 7.8182** is the 20% darker color. If you saturate the color by 10%, you get **11.2875, 9.4344, 21.6484**, and if you desaturate by 10%, it is **15.4644, 14.8412, 22.4718**.

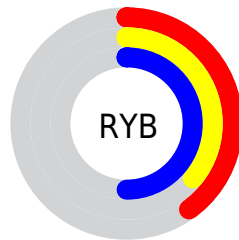
Distribution



Red (40%)

Green (36%)

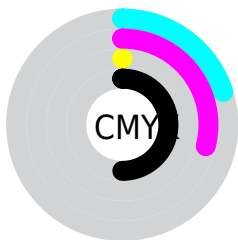
Blue (50%)



Red (40%)

Yellow (36%)

Blue (50%)

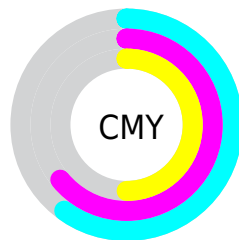


Cyan (20%)

Magenta (29%)

Yellow (0%)

Black (50%)



Cyan (60%)

Magenta (64%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2309, 11.9242, 22.0263 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 13.2309, 11.9242, 22.0263 by changing the saturation by 10% instead.

■ 13.2309, 11.9242,
22.0263

■ 13.2309, 11.9242,
22.0263

206.0000,
203.9028, 275.6416

■ 7.6658, 6.6921,
13.6777

■ 31.3158, 29.3570,
47.6922

■ 3.9319, 3.2703,
7.7607

■ 44.5663, 42.3264,
65.8466

■ 1.6637, 1.2744,
3.8566

■ 61.1094, 58.6438,
88.1067

■ 0.4334, 0.1213,
1.5470

■ 81.3103, 78.6934,
114.8911

■ 0.0000, 0.0000,
0.2526

■ 105.5345,
102.8598, 146.6182

■ 0.0000, 0.0000,
0.0000

134.1473,

131.5272, 183.7066

167.5140,
165.0801, 226.5749

■ 13.2309, 11.9242,
22.0263

■ 13.2309, 11.9242,
22.0263

■ 11.2875, 9.4344,
21.6484

■ 15.4644, 14.8412,
22.4718

■ 9.6204, 7.3499,
21.3339

■ 17.9986, 18.2030,
22.9871

■ 8.2165, 5.6487,
21.0795

■ 20.8449, 22.0282,
23.5755

■ 7.0609, 4.3064,
20.8813

■ 24.0139, 26.3336,
24.2395

■ 6.1373, 3.2956,
20.7349

■ 27.5156, 31.1353,
24.9817

■ 5.4269, 2.5847,
20.6351

■ 31.3595, 36.4488,
25.8047

■ 4.8854, 2.0910,
20.5684

■ 35.5548, 42.2885,
26.7108

■ 4.8315, 2.0406,
20.5615

■ 40.1103, 48.6687,
27.7022

■ 45.0345, 55.6028,
28.7811

Harmonies

Analogous

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



11.5844, 11.9242, 24.3398



13.2309, 11.9242, 22.0263



14.4518, 11.9242, 17.3123

Triad

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



13.2309, 11.9242, 22.0263



12.7585, 11.9242, 6.3778



8.4505, 11.9242, 13.7096

Complementary

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



13.2309, 11.9242, 22.0263



16.8102, 19.9069, 12.8544

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.



8.6997, 11.9242, 9.4440



13.2309, 11.9242, 22.0263



11.0864, 11.9242, 5.8575

Square

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



13.2309, 11.9242, 22.0263



14.1610, 11.9242, 8.4799



9.6269, 11.9242, 6.8321



8.9101, 11.9242, 18.8520

Rectangle

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



13.2309, 11.9242, 22.0263



14.8017, 11.9242, 13.8772



9.6269, 11.9242, 6.8321



8.4545, 11.9242, 12.1289

Sweetspot

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



13.2313, 11.9247, 22.0266



31.5464, 31.8585, 40.4429



14.4891, 16.3392, 22.8124



7.2483, 7.2755, 9.4406



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.



13.2313, 11.9247, 22.0266



20.8809, 17.8916, 38.3092



15.5532, 13.1217, 22.1352



4.2300, 4.2742, 5.4153



4.7920, 2.0241, 20.3881



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.7958, 13.3327, 18.2641



26.2697, 20.8544, 30.2175



14.6215, 18.7786, 12.7519



4.4407, 4.3894, 5.1251



10.5127, 5.2248, 9.2896



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.2309, 11.9242, 22.0263 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 13.2309, 11.9242, 22.0263 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 13.2309, 11.9242, 22.0263

Background



This preview shows how black text looks on a background with the XYZ color 13.2309, 11.9242, 22.0263.



This preview shows how white text looks on a background with the XYZ color 13.2309, 11.9242,

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

13.2309, 11.9242, 22.0263

Protanopia

12.2782, 12.0579, 23.5101

Deuteranopia

12.1394, 11.8904, 21.7339



Tritanopia

11.7766, 11.9977, 14.5270

Trichromacy



Original Color

13.2309, 11.9242, 22.0263

Protanomaly

12.6136, 11.9713, 23.1186

Deuteranomaly

12.5528, 11.9706, 21.7276

Tritanomaly

12.1829, 11.8846, 16.9811

Monochromacy



Original Color

13.2309, 11.9242, 22.0263

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.2529, 12.2009, 16.4611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2309, 11.9242, 22.0263 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, 91, 128)` looks like.

```
.text, #text, p{  
    color:rgb(103, 91, 128)  
}
```

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, 91, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 91, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.2309, 11.9242, 22.0263 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, 91, 128) }
```


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

```
.border{ border-color:rgb(103, 91, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 91, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 91, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 91, 128); box-shadow:4px 4px 4px 4px rgb(103, 91, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2309, 11.9242, 22.0263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 91, 128) }
```

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

```
.background{ background-color: rgb(103, 91,  
128) }
```

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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