

Converting Colors

XYZ(13.4031, 13.3713, 11.2333)

Have a look what the booklet for
XYZ(13.4031, 13.3713, 11.2333)
contains.

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Color

**XYZ(13.3352, 13.2898,
11.3135)**

Conversions

Conversions Part 1

Format	Color
Hex	736359
RGB	115, 99, 89
RGB Percent	45%, 39%, 35%
CMY	0.5490, 0.6118, 0.6510
CMYK	0.00, 0.14, 0.23, 0.55
HSL	23°, 13%, 40%
HSV	23°, 23%, 45%
XYZ	13.3352, 13.2898, 11.3135
YIQ	102.6440, 12.7460, 0.2820

Conversions

Conversions Part 2

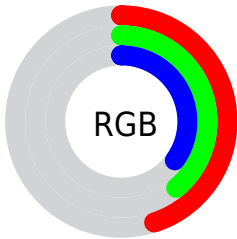
Format	Color
R _Y B	115, 105, 89
Decimal	7562073
CIE Lab	43.20, 4.65, 8.04
CIE LCh	43, 9.288, 59.939
Yxy	13.2898, 0.3515, 0.3503
Android (android.graphics.Color)	4285752153 (0xFF736359)
YUV	102.6440, -6.7265, 10.8362
Hunter-Lab	36.4552, 1.4982, 7.1186

Details

The XYZ color **13.3352, 13.2898, 11.3135** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2657, 13.4643, 18.1720**, and the grayscale version is **12.8133, 13.4806, 14.6803**.

A 20% lighter version of the original color is **31.5029, 31.8923, 28.9215**, and **3.9745, 3.8863, 2.9235** is the 20% darker color. If you saturate the color by 10%, you get **12.2484, 11.8295, 8.7520**, and if you desaturate by 10%, it is **14.5569, 14.8990, 14.2926**.

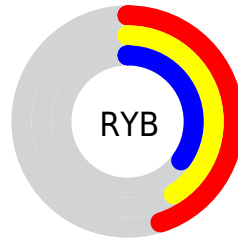
Distribution



Red (45%)

Green (39%)

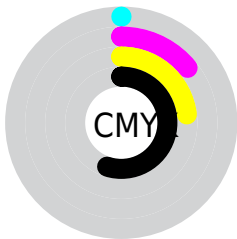
Blue (35%)



Red (45%)

Yellow (41%)

Blue (35%)

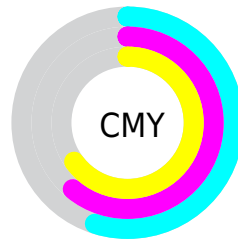


Cyan (0%)

Magenta (14%)

Yellow (23%)

Black (55%)



Cyan (55%)

Magenta (61%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3352, 13.2898, 11.3135 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 13.3352, 13.2898, 11.3135 by changing the saturation by 10% instead.

■ 13.3352, 13.2898,
11.3135

■ 13.3352, 13.2898,
11.3135

206.6494,
212.7667, 210.6199

■ 7.7384, 7.6284,
6.1613

■ 31.5009, 31.8234,
28.8839

■ 3.9784, 3.8581,
2.8730

■ 44.8005, 45.4645,
42.1392

■ 1.6899, 1.5945,
1.0302

■ 61.3983, 62.5342,
58.9326

■ 0.4499, 0.3539,
0.0000

■ 81.6598, 83.4170,
79.6826

■ 0.0000, 0.0000,
0.0000

■ 105.9503,
108.4972, 104.8078

134.6352,

138.1593, 134.7267

168.0797,
172.7877, 169.8579

■ 13.3352, 13.2898,
11.3135

■ 13.3352, 13.2898,
11.3135

■ 12.2484, 11.8295,
8.7520

■ 14.5569, 14.8990,
14.2926

■ 11.2905, 10.5119,
6.5883

■ 15.9173, 16.6594,
17.7061

■ 10.4564, 9.3330,
4.8023

■ 17.4210, 18.5758,
21.5709

■ 9.7405, 8.2878,
3.3719

■ 19.0723, 20.6520,
25.9029

■ 9.1365, 7.3711,
2.2724

■ 20.8755, 22.8916,
30.7170

■ 8.6374, 6.5772,
1.4761

■ 22.8342, 25.2983,
36.0276

■ 8.2350, 5.8999,
0.9489

■ 24.9524, 27.8755,
41.8483

■ 7.9800, 5.4644,
0.6341

■ 27.2336, 30.6267,
48.1925

■ 29.6813, 33.5551,
55.0728

Harmonies

Analogous

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



13.8650, 13.2898, 12.5870



13.3352, 13.2898, 11.3135



12.6330, 13.2898, 10.8685

Triad

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



13.3352, 13.2898, 11.3135



11.3018, 13.2898, 14.4661



13.3325, 13.2898, 18.1707

Complementary

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



13.3352, 13.2898, 11.3135



12.2657, 13.4643, 18.1720

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.



12.6301, 13.2898, 18.7912



13.3352, 13.2898, 11.3135



11.4736, 13.2898, 16.5328

Square

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



13.3352, 13.2898, 11.3135



11.4749, 13.2898, 12.5803



11.9531, 13.2898, 18.1657



13.8634, 13.2898, 16.5408

Rectangle

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



13.3352, 13.2898, 11.3135



12.1670, 13.2898, 11.0653



11.9531, 13.2898, 18.1657



13.1078, 13.2898, 18.5107

Sweetspot

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



13.3356, 13.2904, 11.3138



27.3570, 28.3554, 28.8107



13.1942, 11.8103, 14.9578



6.5030, 6.7343, 6.8146



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.3356, 13.2904, 11.3138



22.8574, 22.4320, 17.8280



14.6639, 15.9471, 11.7566



3.7888, 3.9105, 3.8974



9.1029, 6.2071, 0.7183



43.5845, 28.6975, 3.2420

Inverse Universe

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



12.2657, 13.4643, 18.1720



20.5896, 22.7988, 32.3599



11.0445, 11.0218, 17.7649



3.6706, 3.9299, 4.6553



6.0748, 6.4893, 19.4750



28.7551, 29.9268, 94.6212

Previews

White Background



This preview shows how the XYZ color 13.3352, 13.2898, 11.3135 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 13.3352, 13.2898, 11.3135 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

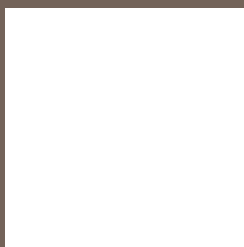
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3352, 13.2898, 11.3135

Background



This preview shows how black text looks on a background with the XYZ color 13.3352, 13.2898, 11.3135.



This preview shows how white text looks on a background with the XYZ color 13.3352, 13.2898,

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

13.3352, 13.2898, 11.3135

Protanopia

12.6602, 13.3667, 11.5856

Deuteranopia

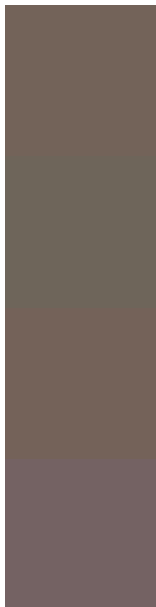
13.5070, 13.2385, 11.2946



Tritanopia

14.1095, 13.3308, 14.9261

Trichromacy



Original Color

13.3352, 13.2898, 11.3135

Protanomaly

12.9296, 13.3605, 11.5702

Deuteranomaly

13.3733, 13.1696, 11.2883

Tritanomaly

13.8223, 13.3492, 13.6525

Monochromacy



Original Color

13.3352, 13.2898, 11.3135

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0194, 13.5104, 13.4768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3352, 13.2898, 11.3135 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(115, 99, 89)` looks like.

```
.text, #text, p{  
    color:rgb(115, 99, 89)  
}
```

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(115, 99, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 99, 89) }
```

Border

The CSS property to change the border of an element to XYZ 13.3352, 13.2898, 11.3135 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(115, 99, 89) }
```


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

```
.border{ border-color:rgb(115, 99, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 99, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 99, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 99, 89);  
box-shadow:4px 4px 4px 4px rgb(115, 99,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3352, 13.2898, 11.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 99, 89) }
```

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

```
.background{ background-color: rgb(115, 99,  
89) }
```

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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