

Converting Colors

XYZ(13.8216, 10.7943, 20.9158)

Have a look what the booklet for
XYZ(13.8216, 10.7943, 20.9158)
contains.

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Color

**XYZ(13.8338, 10.8545,
20.7681)**

Conversions

Conversions Part 1

Format	Color
Hex	754F7D
RGB	117, 79, 125
RGB Percent	46%, 31%, 49%
CMY	0.5412, 0.6902, 0.5098
CMYK	0.06, 0.37, 0.00, 0.51
HSL	290°, 23%, 40%
HSV	290°, 37%, 49%
XYZ	13.8338, 10.8545, 20.7681
YIQ	95.6060, 7.8820, 22.3620

Conversions

Conversions Part 2

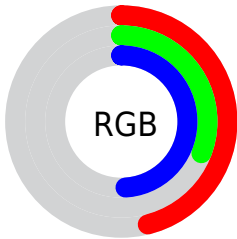
Format	Color
R _Y B	117, 79, 125
Decimal	7688061
CIE Lab	39.33, 24.50, -19.72
CIE LCh	39, 31.451, 321.165
Yxy	10.8545, 0.3043, 0.2388
Android (android.graphics.Color)	4285878141 (0xFF754F7D)
YUV	95.6060, 14.4912, 18.7625
Hunter-Lab	32.9462, 17.2948, -14.3120

Details

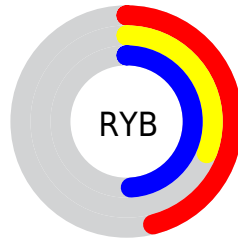
The XYZ color **13.8338, 10.8545, 20.7681** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **12.6757, 17.2582, 10.0606**, and the grayscale version is **10.9880, 11.5602, 12.5891**.

A 20% lighter version of the original color is **32.4637, 27.4609, 45.7089**, and **4.2323, 2.8385, 7.1623** is the 20% darker color. If you saturate the color by 10%, you get **12.7270, 9.0692, 20.4820**, and if you desaturate by 10%, it is **15.1177, 12.9834, 21.1115**.

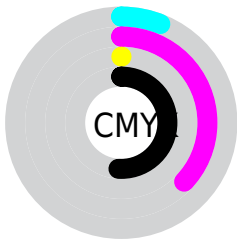
Distribution



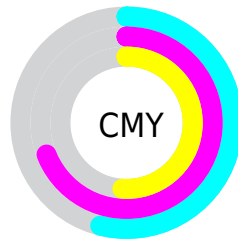
- Red (46%)
- Green (31%)
- Blue (49%)



- Red (46%)
- Yellow (31%)
- Blue (49%)



- Cyan (6%)
- Magenta (37%)
- Yellow (0%)
- Black (51%)



- Cyan (54%)
- Magenta (69%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8338, 10.8545, 20.7681 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 13.8338, 10.8545, 20.7681 by changing the saturation by 10% instead.

■ 13.8338, 10.8545,
20.7681

■ 13.8338, 10.8545,
20.7681

209.7258,
196.6666, 268.7839

■ 8.0861, 5.9691,
12.7650

■ 32.3826, 27.3908,
45.5770

■ 4.2024, 2.8263,
7.1381

■ 45.9143, 39.8105,
63.2200

■ 1.8172, 1.0417,
3.4689

■ 62.7715, 55.5103,
84.9132

■ 0.5280, 0.0000,
1.3387

■ 83.3194, 74.8748,
111.0754

■ 0.0000, 0.0000,
0.0932

■ 107.9235, 98.2883,
142.1250

■ 0.0000, 0.0000,
0.0000

136.9490,

126.1351, 178.4806

170.7613,
158.7998, 220.5608

■ 13.8338, 10.8545,
20.7681

■ 13.8338, 10.8545,
20.7681

■ 12.7270, 9.0692,
20.4820

■ 15.1177, 12.9834,
21.1115

■ 11.7866, 7.6070,
20.2493

■ 16.5864, 15.4720,
21.5144

■ 11.0024, 6.4474,
20.0668

■ 18.2485, 18.3372,
21.9799


■ 10.3628, 5.5669,
19.9306


■ 20.1118, 21.5944,
22.5104


■ 9.8541, 4.9386,
19.8361

■ 22.1835, 25.2581,
23.1084


 9.4493, 4.5081,
19.7744

 24.4704, 29.3421,
23.7761

 9.3254, 4.3798,
19.7561

 26.9793, 33.8593,
24.5158

 29.7164, 38.8225,
25.3295

 32.6878, 44.2437,
26.2193

Harmonies

Analogous

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



11.8617, 10.8545, 26.4133



13.8338, 10.8545, 20.7681



14.8981, 10.8545, 13.7064

Triad

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



13.8338, 10.8545, 20.7681



10.9565, 10.8545, 3.6226



6.9597, 10.8545, 16.5612

Complementary

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



13.8338, 10.8545, 20.7681



12.6757, 17.2582, 10.0606

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.



6.7866, 10.8545, 10.1128



13.8338, 10.8545, 20.7681



8.9123, 10.8545, 3.9261

Square

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



13.8338, 10.8545, 20.7681



13.0937, 10.8545, 4.8517



7.4531, 10.8545, 5.8998



7.9633, 10.8545, 23.4619

Rectangle

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



13.8338, 10.8545, 20.7681



14.8613, 10.8545, 9.6968



7.4531, 10.8545, 5.8998



6.8085, 10.8545, 14.2296

Sweetspot

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



13.8342, 10.8550, 20.7683



31.3050, 30.4598, 38.9737



10.3699, 10.0301, 20.7917



7.0482, 6.8034, 8.8448



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.8342, 10.8550, 20.7683



23.1127, 16.7527, 36.7598



14.0919, 11.0876, 16.2736



4.4271, 4.3758, 5.4245



9.7277, 4.5685, 20.6191



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9740, 10.6404, 10.3871



21.4125, 16.3541, 15.0927



12.5594, 17.1302, 13.1329



4.3560, 4.3555, 4.6789



8.9735, 4.6091, 1.1845



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8338, 10.8545, 20.7681 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 13.8338, 10.8545, 20.7681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

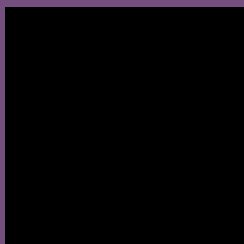
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8338, 10.8545, 20.7681

Background



This preview shows how black text looks on a background with the XYZ color 13.8338, 10.8545, 20.7681.



This preview shows how white text looks on a background with the XYZ color 13.8338, 10.8545,

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

13.8338, 10.8545, 20.7681

Protanopia

11.4248, 11.0658, 24.4554

Deuteranopia

11.1540, 10.8907, 20.2531



Tritanopia

11.9416, 10.8730, 11.5945

Trichromacy



Original Color

13.8338, 10.8545, 20.7681

Protanomaly

12.0191, 10.7822, 22.9204

Deuteranomaly

11.9761, 10.8130, 20.5247

Tritanomaly

12.5314, 10.7634, 14.5138

Monochromacy



Original Color

13.8338, 10.8545, 20.7681

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.0189, 11.3169, 15.4608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8338, 10.8545, 20.7681 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(117, 79, 125)` looks like.

```
.text, #text, p{  
    color:rgb(117, 79, 125)  
}
```

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(117, 79, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 79, 125) }
```

Border

The CSS property to change the border of an element to XYZ 13.8338, 10.8545, 20.7681 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(117, 79, 125) }
```


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

```
.border{ border-color:rgb(117, 79, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 79, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 79, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 79, 125); box-shadow:4px 4px 4px 4px rgb(117, 79, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8338, 10.8545, 20.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 79, 125) }
```

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

```
.background{ background-color: rgb(117, 79,  
125) }
```

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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