

Converting Colors

XYZ(13.0134, 11.3180, 21.9208)

Have a look what the booklet for
XYZ(13.0134, 11.3180, 21.9208)
contains.

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Color

**XYZ(13.0134, 11.3180,
21.9208)**

Conversions

Conversions Part 1

Format	Color
Hex	685780
RGB	104, 87, 128
RGB Percent	41%, 34%, 50%
CMY	0.5922, 0.6588, 0.4980
CMYK	0.19, 0.32, 0.00, 0.50
HSL	265°, 19%, 42%
HSV	265°, 32%, 50%
XYZ	13.0134, 11.3180, 21.9208
YIQ	96.7570, -3.0290, 16.3550

Conversions

Conversions Part 2

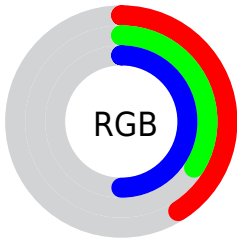
Format	Color
R_{YB}	104, 87, 128
Decimal	6838144
CIE Lab	40.11, 15.85, -20.48
CIE LCh	40, 25.891, 307.737
Yxy	11.3180, 0.2814, 0.2447
Android (android.graphics.Color)	4285028224 (0xFF685780)
YUV	96.7570, 15.4028, 6.3521
Hunter-Lab	33.6422, 10.1730, -15.0830

Details

The XYZ color **13.0134, 11.3180, 21.9208** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.9955, 19.5063, 11.9394**, and the grayscale version is **11.2670, 11.8538, 12.9088**.

A 20% lighter version of the original color is **30.9965, 28.2954, 47.5439**, and **3.8351, 2.9911, 7.7724** is the 20% darker color. If you saturate the color by 10%, you get **11.2362, 8.9976, 21.5668**, and if you desaturate by 10%, it is **15.0525, 14.0467, 22.3402**.

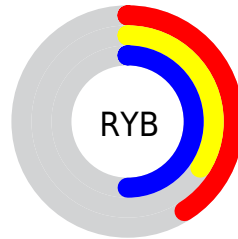
Distribution



Red (41%)

Green (34%)

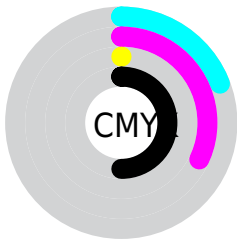
Blue (50%)



Red (41%)

Yellow (34%)

Blue (50%)

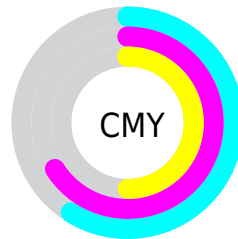


Cyan (19%)

Magenta (32%)

Yellow (0%)

Black (50%)



Cyan (59%)

Magenta (66%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0134, 11.3180, 21.9208 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 13.0134, 11.3180, 21.9208 by changing the saturation by 10% instead.

■ 13.0134, 11.3180,
21.9208

■ 13.0134, 11.3180,
21.9208

204.6394,
199.8364, 275.0724

■ 7.5148, 6.2812,
13.6010

■ 30.9290, 28.2467,
47.5156

■ 3.8353, 3.0168,
7.7081

■ 44.0767, 40.9074,
65.6276

■ 1.6094, 1.1405,
3.8236

■ 60.5048, 56.8781,
87.8407

■ 0.3985, 0.0123,
1.5291

■ 80.5787, 76.5433,
114.5735

■ 0.0000, 0.0000,
0.2395

■ 104.6638,
100.2873, 146.2446

■ 0.0000, 0.0000,
0.0000

133.1254,

128.4946, 183.2724

166.3288,
161.5495, 226.0755

■ 13.0134, 11.3180,
21.9208

■ 13.0134, 11.3180,
21.9208

■ 11.2362, 8.9976,
21.5668

■ 15.0525, 14.0467,
22.3402

■ 9.7079, 7.0638,
21.2740

■ 17.3632, 17.2013,
22.8273

■ 8.4164, 5.4945,
21.0392

■ 19.9562, 20.8001,
23.3853

■ 7.3475, 4.2654,
20.8583

■ 22.8411, 24.8598,
24.0168

■ 6.4859, 3.3484,
20.7267

■ 26.0273, 29.3963,
24.7245

■ 5.8133, 2.7111,
20.6392

■ 29.5234, 34.4246,
25.5108

■ 5.3683, 2.3174,
20.5866

■ 33.3380, 39.9592,
26.3781

■ 37.4791, 46.0140,
27.3285

■ 41.9546, 52.6021,
28.3643

Harmonies

Analogous

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



11.2292, 11.3180, 24.9572



13.0134, 11.3180, 21.9208



14.2818, 11.3180, 16.4648

Triad

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



13.0134, 11.3180, 21.9208



12.1201, 11.3180, 5.2474



7.6844, 11.3180, 13.7039

Complementary

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



13.0134, 11.3180, 21.9208



15.9955, 19.5063, 11.9394

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.



7.8665, 11.3180, 8.9421



13.0134, 11.3180, 21.9208



10.2990, 11.3180, 4.8894

Square

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



13.0134, 11.3180, 21.9208



13.7274, 11.3180, 7.2055



8.7785, 11.3180, 6.0380



8.2501, 11.3180, 19.4250

Rectangle

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



13.0134, 11.3180, 21.9208



14.5919, 11.3180, 12.7182



8.7785, 11.3180, 6.0380



7.6615, 11.3180, 11.9368

Sweetspot

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



13.0138, 11.3185, 21.9211



31.3546, 31.3670, 40.3581



13.5773, 15.0855, 22.6185



7.2199, 7.1768, 9.4231



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.



13.0138, 11.3185, 21.9211



20.7219, 17.0555, 38.1562



15.6026, 12.6530, 22.0422



4.2646, 4.2920, 5.4169



5.3245, 2.2986, 20.4130



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.1799, 12.5538, 16.6626



25.2072, 19.6165, 27.1279



13.7641, 18.3560, 11.8350



4.4251, 4.3832, 5.0428



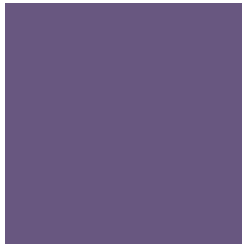
10.0846, 5.0535, 7.0354



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.0134, 11.3180, 21.9208 looks on a white background.

Color Contrast Check

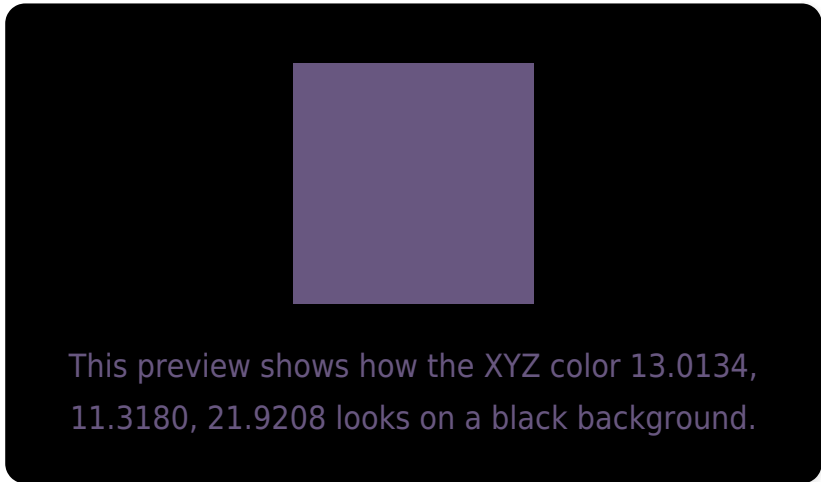
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.0134, 11.3180, 21.9208

Background



This preview shows how black text looks on a background with the XYZ color 13.0134, 11.3180, 21.9208.



This preview shows how white text looks on a background with the XYZ color 13.0134, 11.3180,

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

13.0134, 11.3180, 21.9208

Protanopia

11.6277, 11.3160, 23.7617

Deuteranopia

11.5829, 11.3394, 21.6569



Tritanopia

11.3602, 11.4015, 13.6585

Trichromacy



Original Color

13.0134, 11.3180, 21.9208

Protanomaly

12.0543, 11.2945, 23.0175

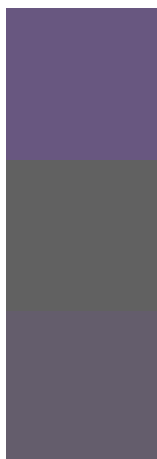
Deuteranomaly

12.0861, 11.3416, 21.6308

Tritanomaly

11.9224, 11.3747, 16.3190

Monochromacy



Original Color

13.0134, 11.3180, 21.9208

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8767, 11.6207, 15.8044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0134, 11.3180, 21.9208 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(104, 87, 128)` looks like.

```
.text, #text, p{  
    color:rgb(104, 87, 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(104, 87, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 87, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.0134, 11.3180, 21.9208 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(104, 87, 128) }
```


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

```
.border{ border-color:rgb(104, 87, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 87, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 87, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 87, 128);  
box-shadow:4px 4px 4px 4px rgb(104, 87,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0134, 11.3180, 21.9208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 87, 128) }
```

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

```
.background{ background-color: rgb(104, 87,  
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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