

Converting Colors

XYZ(13.1455, 11.0223, 20.0808)

Have a look what the booklet for
XYZ(13.1455, 11.0223, 20.0808)
contains.

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Color

**XYZ(13.1759, 11.0857,
20.1842)**

Conversions

Conversions Part 1

Format	Color
Hex	6E547B
RGB	110, 84, 123
RGB Percent	43%, 33%, 48%
CMY	0.5686, 0.6706, 0.5176
CMYK	0.11, 0.32, 0.00, 0.52
HSL	280°, 19%, 41%
HSV	280°, 32%, 48%
XYZ	13.1759, 11.0857, 20.1842
YIQ	96.2200, 2.9770, 17.6410

Conversions

Conversions Part 2

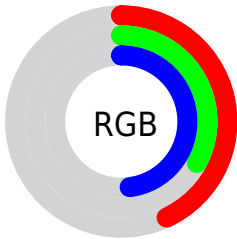
Format	Color
R_{YB}	110, 84, 123
Decimal	7230587
CIE Lab	39.72, 18.58, -17.96
CIE LCh	40, 25.842, 315.972
Yxy	11.0857, 0.2964, 0.2494
Android (android.graphics.Color)	4285420667 (0xFF6E547B)
YUV	96.2200, 13.2025, 12.0851
Hunter-Lab	33.2952, 12.3712, -12.6361

Details

The XYZ color **13.1759, 11.0857, 20.1842** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **13.6133, 17.3477, 11.0189**, and the grayscale version is **11.1403, 11.7205, 12.7636**.

A 20% lighter version of the original color is **31.2619, 27.8662, 44.8053**, and **3.9158, 2.9048, 6.8329** is the 20% darker color. If you saturate the color by 10%, you get **11.8055, 9.0845, 19.8703**, and if you desaturate by 10%, it is **14.7383, 13.4353, 20.5555**.

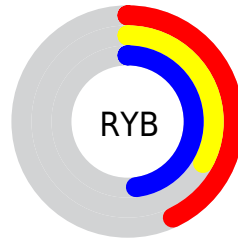
Distribution



Red (43%)

Green (33%)

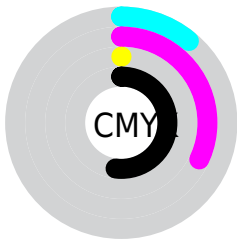
Blue (48%)



Red (43%)

Yellow (33%)

Blue (48%)

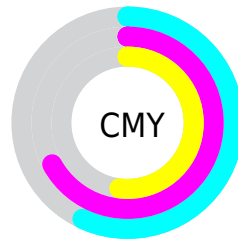


Cyan (11%)

Magenta (32%)

Yellow (0%)

Black (52%)



Cyan (57%)

Magenta (67%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1759, 11.0857, 20.1842 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 13.1759, 11.0857, 20.1842 by changing the saturation by 10% instead.

■ 13.1759, 11.0857,
20.1842

■ 13.1759, 11.0857,
20.1842

205.6568,
198.2546, 265.5477

■ 7.6276, 6.1245,
12.3436

■ 31.2181, 27.8185,
44.5888

■ 3.9074, 2.9209,
6.8528

■ 44.4427, 40.3590,
61.9899

■ 1.6499, 1.0906,
3.2931

■ 60.9567, 56.1946,
83.4149

■ 0.4246, 0.0000,
1.2462

■ 81.1257, 75.7098,
109.2824

■ 0.0000, 0.0000,
0.0171

■ 105.3148, 99.2890,
140.0109

■ 0.0000, 0.0000,
0.0000

133.8894,

127.3166, 176.0189

167.2150,
160.1770, 217.7250

■ 13.1759, 11.0857,
20.1842

■ 13.1759, 11.0857,
20.1842

■ 11.8055, 9.0845,
19.8703

■ 14.7383, 13.4353,
20.5555

■ 10.6169, 7.4127,
19.6103

■ 16.5001, 16.1484,
20.9864

■ 9.6006, 6.0514,
19.4011


■ 18.4695, 19.2407,
21.4795


■ 8.7457, 4.9792,
19.2392


■ 20.6539, 22.7268,
22.0372


■ 8.0399, 4.1720,
19.1206


■ 23.0605, 26.6204,
22.6619


 7.4688, 3.6017,
19.0406

 25.6960, 30.9344,
23.3557

 7.0549, 3.2240,
18.9895

 28.5668, 35.6813,
24.1206

 31.6790, 40.8731,
24.9587

 35.0386, 46.5211,
25.8718

Harmonies

Analogous

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



11.5004, 11.0857, 24.0646



13.1759, 11.0857, 20.1842



14.1925, 11.0857, 14.5887

Triad

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



13.1759, 11.0857, 20.1842



11.3827, 11.0857, 4.8724



7.5935, 11.0857, 14.9538

Complementary

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



13.1759, 11.0857, 20.1842



13.6133, 17.3477, 11.0189

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.



7.5696, 11.0857, 9.8600



13.1759, 11.0857, 20.1842



9.6283, 11.0857, 4.9192

Square

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



13.1759, 11.0857, 20.1842



13.0815, 11.0857, 6.3345



8.2757, 11.0857, 6.4877



8.3453, 11.0857, 20.5151

Rectangle

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



13.1759, 11.0857, 20.1842



14.2939, 11.0857, 11.0852



8.2757, 11.0857, 6.4877



7.5032, 11.0857, 13.1124

Sweetspot

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



13.1763, 11.0862, 20.1844



30.0386, 29.6829, 37.7028



11.5064, 11.8647, 20.4227



6.9823, 6.8470, 8.8567



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.



13.1763, 11.0862, 20.1844



21.7874, 17.2009, 35.7284



14.5206, 11.8246, 18.1932



4.0308, 4.0138, 5.0055



7.2923, 3.3321, 19.6441



33.8547, 15.4148, 93.6608

Inverse Universe

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



13.4967, 11.4151, 12.8016



22.5339, 17.9340, 20.0279



12.6063, 16.7977, 12.3631



4.0483, 4.0350, 4.4521



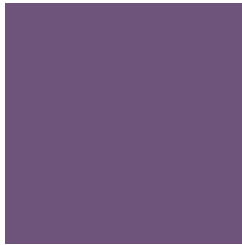
8.8618, 4.5209, 2.5633



41.9141, 21.4220, 10.3438

Previews

White Background



This preview shows how the XYZ color 13.1759, 11.0857, 20.1842 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 13.1759, 11.0857, 20.1842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

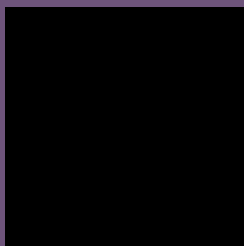
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1759, 11.0857, 20.1842

Background



This preview shows how black text looks on a background with the XYZ color 13.1759, 11.0857, 20.1842.



This preview shows how white text looks on a background with the XYZ color 13.1759, 11.0857,

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

13.1759, 11.0857, 20.1842

Protanopia

11.4441, 11.2527, 22.3377

Deuteranopia

11.3028, 11.1095, 19.6378



Tritanopia

11.6276, 11.0535, 12.5870

Trichromacy



Original Color

13.1759, 11.0857, 20.1842

Protanomaly

12.0011, 11.1718, 21.6025

Deuteranomaly

11.9091, 11.0367, 19.9150

Tritanomaly

12.0731, 10.9828, 15.1192

Monochromacy



Original Color

13.1759, 11.0857, 20.1842

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.7955, 11.4616, 15.2263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1759, 11.0857, 20.1842 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(110, 84, 123)` looks like.

```
.text, #text, p{  
    color:rgb(110, 84, 123)  
}
```

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(110, 84, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 84, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.1759, 11.0857, 20.1842 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(110, 84, 123) }
```


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

```
.border{ border-color:rgb(110, 84, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 84, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 84, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 84, 123); box-shadow:4px 4px 4px 4px rgb(110, 84, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1759, 11.0857, 20.1842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 84, 123) }
```

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

```
.background{ background-color: rgb(110, 84,  
123) }
```

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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