

Converting Colors

XYZ(11.6246, 8.1267, 6.6786)

Have a look what the booklet for
XYZ(11.6246, 8.1267, 6.6786)
contains.

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Color

**XYZ(11.6718, 8.1354,
6.7495)**

Conversions

Conversions Part 1

Format	Color
Hex	813A46
RGB	129, 58, 70
RGB Percent	51%, 23%, 27%
CMY	0.4941, 0.7725, 0.7255
CMYK	0.00, 0.55, 0.46, 0.49
HSL	350°, 38%, 37%
HSV	350°, 55%, 51%
XYZ	11.6718, 8.1354, 6.7495
YIQ	80.5970, 38.4640, 18.7840

Conversions

Conversions Part 2

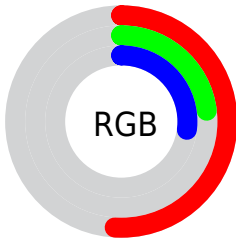
Format	Color
R_{YB}	129, 58, 70
Decimal	8469062
CIE _{Lab}	34.26, 31.87, 7.51
CIE _{LCh}	34, 32.745, 13.255
Yxy	8.1354, 0.4395, 0.3063
Android (android.graphics.Color)	4286659142 (0xFF813A46)
YUV	80.5970, -5.2243, 42.4494
Hunter-Lab	28.5226, 23.1298, 5.9356

Details

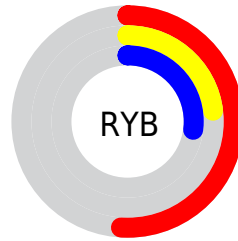
The XYZ color **11.6718, 8.1354, 6.7495** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **12.8065, 17.8846, 19.6077**, and the grayscale version is **7.7466, 8.1500, 8.8753**.

A 20% lighter version of the original color is **28.6402, 22.3474, 19.9435**, and **3.2652, 1.7893, 1.2102** is the 20% darker color. If you saturate the color by 10%, you get **10.7923, 6.8705, 4.9332**, and if you desaturate by 10%, it is **12.7751, 9.7513, 8.9387**.

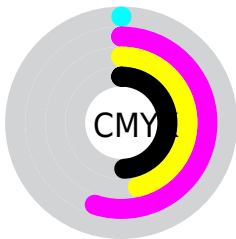
Distribution



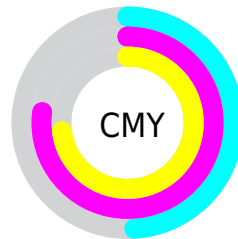
- Red (51%)
- Green (23%)
- Blue (27%)



- Red (51%)
- Yellow (23%)
- Blue (27%)



- Cyan (0%)
- Magenta (55%)
- Yellow (46%)
- Black (49%)




- Cyan (49%)
- Magenta (77%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.6718, 8.1354, 6.7495 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 11.6718, 8.1354, 6.7495 by changing the saturation by 10% instead.


 11.6718, 8.1354,
6.7495


 11.6718, 8.1354,
6.7495


196.0349,
176.7902, 175.1169


 6.5912, 4.1817,
3.2299


 28.5180, 22.2235,
19.9717


 3.2518, 1.7757,
1.2132

 41.0143, 33.1266,
30.5113


 1.2883, 0.4720,
0.0000

 56.7133, 47.1150,
44.2281

 0.1744, 0.0000,
0.0000

 75.9802, 64.5731,
61.5404

 0.0000, 0.0000,
0.0000

 99.1805, 85.8853,
82.8669

 126.6794,

111.4360, 108.6262

158.8425,
141.6094, 139.2366

■ 11.6718, 8.1354,
6.7495

■ 11.6718, 8.1354,
6.7495

■ 10.7923, 6.8705,
4.9332

■ 12.7751, 9.7513,
8.9387

■ 10.1204, 5.9292,
3.4684

■ 14.1158, 11.7403,
11.5197

■ 9.6386, 5.2821,
2.3318

■ 15.7069, 14.1244,
14.5108

■ 9.3220, 4.8858,
1.4959

■ 17.5605, 16.9233,
17.9288

■ 9.1961, 4.7243,
1.1761

■ 19.6877, 20.1554,
21.7896

■ 22.0992, 23.8382,
26.1085

■ 24.8049, 27.9880,
30.8998

■ 27.8144, 32.6204,
36.1773

■ 31.1366, 37.7502,
41.9542

Harmonies

Analogous

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



11.5992, 8.1354, 12.0774



11.6718, 8.1354, 6.7495



10.5774, 8.1354, 3.6052

Triad

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



11.6718, 8.1354, 6.7495



5.5702, 8.1354, 3.3729



6.7657, 8.1354, 22.3722

Complementary

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



11.6718, 8.1354, 6.7495



12.8065, 17.8846, 19.6077

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.



5.4497, 8.1354, 17.6740



11.6718, 8.1354, 6.7495



4.8375, 8.1354, 6.2686

Square

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



11.6718, 8.1354, 6.7495



6.9561, 8.1354, 2.2384



4.7972, 8.1354, 11.3656



8.5645, 8.1354, 22.6670

Rectangle

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



11.6718, 8.1354, 6.7495



9.4200, 8.1354, 2.5765



4.7972, 8.1354, 11.3656



6.2595, 8.1354, 21.1910

Sweetspot

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



11.6720, 8.1358, 6.7496



30.6193, 29.0529, 30.5898



12.6760, 8.3234, 21.7073



6.8065, 6.3885, 6.6959



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.



11.6720, 8.1358, 6.7496



18.9907, 11.8277, 8.1180



12.7214, 10.7814, 5.4140



4.3551, 4.3552, 4.6747



8.9675, 4.6067, 1.1528



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.6720, 8.1358, 6.7496



18.9907, 11.8277, 8.1180



10.9152, 12.8998, 22.6835



4.3551, 4.3552, 4.6747



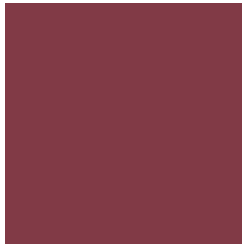
8.9675, 4.6067, 1.1528



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.6718, 8.1354, 6.7495 looks on a white background.

Color Contrast Check

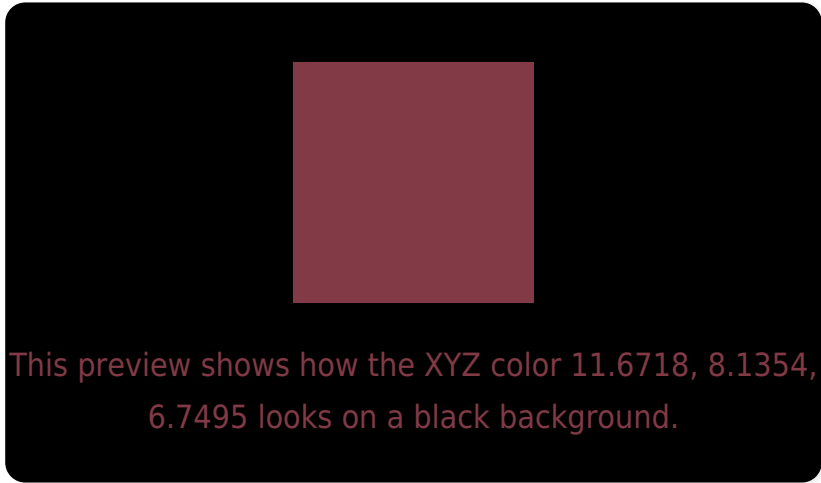
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

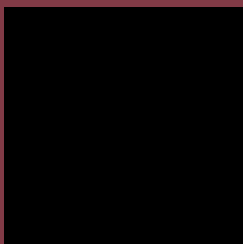
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6718, 8.1354, 6.7495

Background



This preview shows how black text looks on a background with the XYZ color 11.6718, 8.1354, 6.7495.



This preview shows how white text looks on a background with the XYZ color 11.6718, 8.1354,

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

11.6718, 8.1354, 6.7495

Protanopia

7.9451, 8.2879, 9.1636

Deuteranopia

8.3536, 8.2337, 6.4592



Tritanopia

11.5144, 8.1539, 5.6696

Trichromacy



Original Color

11.6718, 8.1354, 6.7495

Protanomaly

8.9033, 7.9678, 8.2764

Deuteranomaly

9.3600, 8.0496, 6.5292

Tritanomaly

11.6006, 8.1884, 6.1234

Monochromacy



Original Color

11.6718, 8.1354, 6.7495

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.7591, 7.8976, 8.0839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6718, 8.1354, 6.7495 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(129, 58, 70)` looks like.

```
.text, #text, p{  
    color:rgb(129, 58, 70)  
}
```

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(129, 58, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 58, 70) }
```

Border

The CSS property to change the border of an element to XYZ 11.6718, 8.1354, 6.7495 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(129, 58, 70) }
```


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

```
.border{ border-color:rgb(129, 58, 70) }
```

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

Here you see how a box with a 4 pixel rgb(129, 58, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 58, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 58, 70);  
box-shadow:4px 4px 4px 4px rgb(129, 58,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6718, 8.1354, 6.7495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 58, 70) }
```

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

```
.background{ background-color: rgb(129, 58,  
70) }
```

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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