

Converting Colors

XYZ(18.2230, 11.8379, 6.4787)

Have a look what the booklet for
XYZ(18.2230, 11.8379, 6.4787)
contains.

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Color

**XYZ(18.2230, 11.8379,
6.4787)**

Conversions

Conversions Part 1

Format	Color
Hex	A53E42
RGB	165, 62, 66
RGB Percent	65%, 24%, 26%
CMY	0.3529, 0.7568, 0.7412
CMYK	0.00, 0.62, 0.60, 0.35
HSL	358°, 45%, 45%
HSV	358°, 62%, 65%
XYZ	18.2230, 11.8379, 6.4787
YIQ	93.2530, 60.1040, 23.0800

Conversions

Conversions Part 2

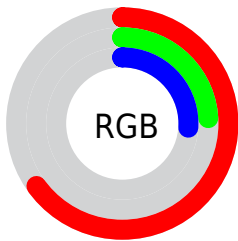
Format	Color
RYB	165, 62, 66
Decimal	10829378
CIELab	40.96, 42.81, 20.12
CIElCh	41, 47.301, 25.177
Yxy	11.8379, 0.4987, 0.3240
Android (android.graphics.Color)	4289019458 (0xFFA53E42)
YUV	93.2530, -13.4357, 62.9221
Hunter-Lab	34.4062, 34.3302, 12.9201

Details

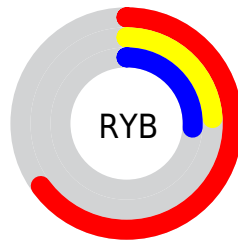
The XYZ color **18.2230, 11.8379, 6.4787** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.8755, 30.5078, 38.4564**, and the grayscale version is **10.4847, 11.0307, 12.0124**.

A 20% lighter version of the original color is **39.7950, 29.0968, 19.4384**, and **6.2289, 3.2094, 1.1018** is the 20% darker color. If you saturate the color by 10%, you get **17.0535, 10.1464, 4.0931**, and if you desaturate by 10%, it is **19.7951, 14.1273, 9.6383**.

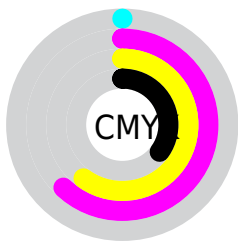
Distribution



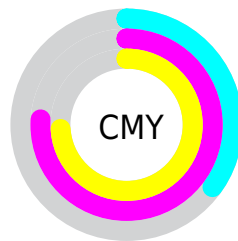
- Red (65%)
- Green (24%)
- Blue (26%)



- Red (65%)
- Yellow (24%)
- Blue (26%)



- Cyan (0%)
- Magenta (62%)
- Yellow (60%)
- Black (35%)





- Cyan (35%)
- Magenta (76%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2230, 11.8379, 6.4787 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 18.2230, 11.8379, 6.4787 by changing the saturation by 10% instead.

 18.2230, 11.8379,
6.4787


 18.2230, 11.8379,
6.4787


235.1463,
203.3292, 172.7221


 11.2109, 6.6334,
3.0648


 39.9441, 29.1995,
19.4112


 6.2772, 3.2339,
1.1278


 55.3837, 42.1254,
29.7670

 3.0566, 1.2550,
0.0000

 74.3632, 58.3939,
43.2738

 1.1838, 0.1060,
0.0000

 97.2479, 78.3894,
60.3501

 0.0935, 0.0000,
0.0000

 124.4033,
102.4963, 81.4146

 0.0000, 0.0000,
0.0000

 156.1945,

131.0990, 106.8857

192.9871,
164.5818, 137.1821

■ 18.2230, 11.8379,
6.4787

■ 18.2230, 11.8379,
6.4787

■ 17.0535, 10.1464,
4.0931

■ 19.7951, 14.1273,
9.6383

■ 16.2493, 8.9954,
2.4145

■ 21.8011, 17.0614,
13.6303

■ 15.7673, 8.3197,
1.3653

■ 24.2702, 20.6843,
18.5080

■ 15.5520, 8.0133,
0.9108

■ 27.2287, 25.0359,
24.3201

■ 30.7011, 30.1531,
31.1118

■ 34.7101, 36.0700,
38.9254

■ 39.2771, 42.8189,
47.8007

■ 44.4224, 50.4304,
57.7752

■ 50.1652, 58.9333,
68.8849

Harmonies

Analogous

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



19.0557, 11.8379, 14.5197



18.2230, 11.8379, 6.4787



15.3889, 11.8379, 2.8485

Triad

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



18.2230, 11.8379, 6.4787



6.7127, 11.8379, 4.9108



10.7136, 11.8379, 41.7816

Complementary

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



18.2230, 11.8379, 6.4787



21.8755, 30.5078, 38.4564

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.



7.9314, 11.8379, 35.0218



18.2230, 11.8379, 6.4787



5.9357, 11.8379, 11.3860

Square

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



18.2230, 11.8379, 6.4787



8.7055, 11.8379, 2.3136



6.3326, 11.8379, 22.5474



14.2512, 11.8379, 38.1605

Rectangle

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



18.2230, 11.8379, 6.4787



12.9987, 11.8379, 1.9667



6.3326, 11.8379, 22.5474



9.6684, 11.8379, 40.5801

Sweetspot

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



18.2233, 11.8386, 6.4789



50.5757, 47.5046, 47.1025



22.9816, 13.6206, 37.0148



10.7058, 9.8683, 9.6099



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.2233, 11.8386, 6.4789



29.8981, 17.2468, 5.9977



21.7865, 19.1469, 7.1058



7.0844, 7.0902, 7.4308



11.7697, 6.0639, 0.7120



0.2505, 0.1287, 0.0315

Inverse Universe

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



18.2233, 11.8386, 6.4789



29.8981, 17.2468, 5.9977



15.3340, 16.8520, 38.0416



7.0844, 7.0902, 7.4308



11.7697, 6.0639, 0.7120



0.2505, 0.1287, 0.0315

Previews

White Background



This preview shows how the XYZ color 18.2230, 11.8379, 6.4787 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 18.2230, 11.8379, 6.4787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

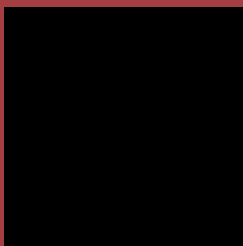
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2230, 11.8379, 6.4787

Background



This preview shows how black text looks on a background with the XYZ color 18.2230, 11.8379, 6.4787.

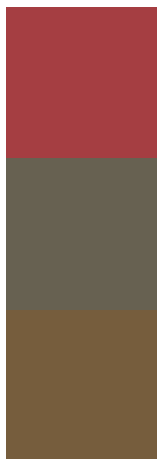


This preview shows how white text looks on a background with the XYZ color 18.2230, 11.8379,

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

18.2230, 11.8379, 6.4787

Protanopia

11.3534, 12.0270, 9.5076

Deuteranopia

12.2279, 12.0172, 6.0899



Tritanopia

18.2230, 11.8379, 6.4787

Trichromacy



Original Color

18.2230, 11.8379, 6.4787

Protanomaly

13.0790, 11.2981, 8.3289

Deuteranomaly

13.9062, 11.5444, 6.1980

Tritanomaly

18.2230, 11.8379, 6.4787

Monochromacy



Original Color

18.2230, 11.8379, 6.4787

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.1864, 10.5811, 9.5837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2230, 11.8379, 6.4787 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(165, 62, 66)` looks like.

```
.text, #text, p{  
    color:rgb(165, 62, 66)  
}
```

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(165, 62, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 62, 66) }
```

Border

The CSS property to change the border of an element to XYZ 18.2230, 11.8379, 6.4787 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(165, 62, 66) }
```


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

```
.border{ border-color:rgb(165, 62, 66) }
```

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

Here you see how a box with a 4 pixel rgb(165, 62, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 62, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 62, 66);  
box-shadow:4px 4px 4px 4px rgb(165, 62,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2230, 11.8379, 6.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 62, 66) }
```

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

```
.background{ background-color: rgb(165, 62,  
66) }
```

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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