

Converting Colors

XYZ(27.6684, 19.0359, 6.7247)

Have a look what the booklet for
XYZ(27.6684, 19.0359, 6.7247)
contains.

XYZ(27.6712, 18.9869, 6.7638)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.6712, 18.9869,
6.7638)**

Conversions

Conversions Part 1

Format	Color
Hex	C7553E
RGB	199, 85, 62
RGB Percent	78%, 33%, 24%
CMY	0.2196, 0.6666, 0.7569
CMYK	0.00, 0.57, 0.69, 0.22
HSL	10°, 55%, 51%
HSV	10°, 69%, 78%
XYZ	27.6712, 18.9869, 6.7638
YIQ	116.4640, 75.3270, 17.0150

Conversions

Conversions Part 2

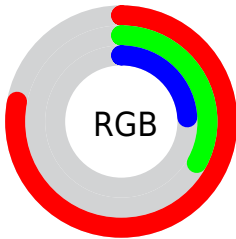
Format	Color
R _Y B	199, 90, 62
Decimal	13063486
CIE Lab	50.67, 44.01, 35.74
CIE LCh	51, 56.693, 39.084
Yxy	18.9869, 0.5180, 0.3554
Android (android.graphics.Color)	4291253566 (0xFFC7553E)
YUV	116.4640, -26.8508, 72.3841
Hunter-Lab	43.5740, 37.1002, 21.2984

Details

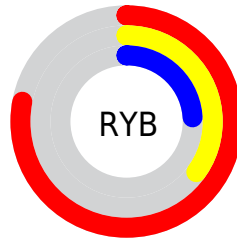
The XYZ color **27.6712, 18.9869, 6.7638** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **27.8194, 36.1957, 59.5528**, and the grayscale version is **16.8075, 17.6828, 19.2566**.

A 20% lighter version of the original color is **53.1430, 40.5627, 19.7803**, and **11.2732, 6.5657, 1.2454** is the 20% darker color. If you saturate the color by 10%, you get **26.0672, 16.4987, 4.0106**, and if you desaturate by 10%, it is **29.7810, 22.1672, 10.6719**.

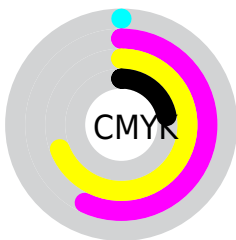
Distribution



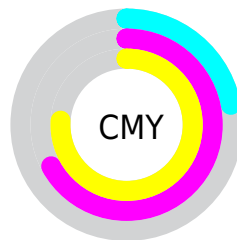
- Red (78%)
- Green (33%)
- Blue (24%)



- Red (78%)
- Yellow (35%)
- Blue (24%)



- Cyan (0%)
- Magenta (57%)
- Yellow (69%)
- Black (22%)





- Cyan (22%)
- Magenta (67%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6712, 18.9869, 6.7638 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 27.6712, 18.9869, 6.7638 by changing the saturation by 10% instead.


 27.6712, 18.9869,
6.7638


 27.6712, 18.9869,
6.7638


283.0011,
246.3764, 175.2422


 18.2171, 11.6608,
3.2386


 55.3714, 41.7120,
20.0012

 11.2066, 6.5132,
1.2177


 74.3482, 57.8797,
30.5504


 6.2743, 3.1596,
0.0000


 97.2300, 77.7635,
44.2781

 3.0548, 1.2156,
0.0000

 124.3822,
101.7477, 61.6028

 1.1828, 0.0744,
0.0000

 156.1700,
130.2167, 82.9430

 0.0927, 0.0000,
0.0000

 192.9588,

 0.0000, 0.0000,

163.5549, 108.7173

0.0000

235.1141,
202.1467, 139.3441

■ 27.6712, 18.9869,
6.7638

■ 27.6712, 18.9869,
6.7638

■ 26.0672, 16.4987,
4.0106

■ 29.7810, 22.1672,
10.6719

■ 24.9229, 14.6470,
2.2828

■ 32.4344, 26.0833,
15.8437

■ 24.1765, 13.3688,
1.3723

■ 35.6670, 30.7790,
22.3763

■ 24.1086, 13.2531,
1.2874

■ 39.5108, 36.2935,
30.3571

■ 43.9956, 42.6636,
39.8662

■ 49.1492, 49.9237,
50.9776

■ 54.9977, 58.1065,
63.7608

■ 61.5657, 67.2427,
78.2810

■ 68.8767, 77.3619,
94.5998

Harmonies

Analogous

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



30.7809, 18.9869, 16.2105



27.6712, 18.9869, 6.7638



22.1342, 18.9869, 3.2428

Triad

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



27.6712, 18.9869, 6.7638



9.7954, 18.9869, 11.5634



19.7858, 18.9869, 67.9755

Complementary

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



27.6712, 18.9869, 6.7638



27.8194, 36.1957, 59.5528

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.



14.4958, 18.9869, 64.4304



27.6712, 18.9869, 6.7638



9.4211, 18.9869, 25.8886

Square

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



27.6712, 18.9869, 6.7638



12.1157, 18.9869, 4.8600



10.9608, 18.9869, 46.5757



25.6523, 18.9869, 54.6660

Rectangle

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



27.6712, 18.9869, 6.7638



18.2178, 18.9869, 2.6922



10.9608, 18.9869, 46.5757



17.8763, 18.9869, 68.8186

Sweetspot

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



27.6716, 18.9880, 6.7641



74.9917, 71.8103, 65.4446



33.1287, 18.7286, 43.0296



15.5727, 14.6912, 12.9909



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.6716, 18.9880, 6.7641



44.4707, 27.0134, 5.1896



35.8685, 35.3816, 9.4964



10.7754, 10.9200, 11.1026



15.5466, 8.6103, 0.8426



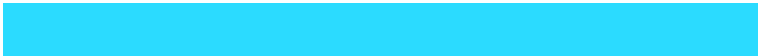
0.7822, 0.4998, 0.0553

Inverse Universe

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



27.8194, 36.1957, 59.5528



44.5121, 58.6433, 103.5810



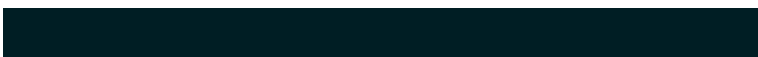
17.6229, 15.8027, 56.1540



10.7893, 11.7526, 13.6173



15.4039, 20.2018, 37.8318



0.7707, 1.0392, 1.8051

Previews

White Background



This preview shows how the XYZ color 27.6712, 18.9869, 6.7638 looks on a white 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

Black Background



This preview shows how the XYZ color 27.6712, 18.9869, 6.7638 looks on a black 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

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

XYZ 27.6712, 18.9869, 6.7638

Background



This preview shows how black text looks on a background with the XYZ color 27.6712, 18.9869, 6.7638.



This preview shows how white text looks on a background with the XYZ color 27.6712, 18.9869,

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

27.6712, 18.9869, 6.7638

Protanopia

17.6231, 19.0883, 9.4122

Deuteranopia

19.4222, 19.0310, 6.3911



Tritanopia

28.5570, 19.0021, 11.1795

Trichromacy



Original Color

27.6712, 18.9869, 6.7638

Protanomaly

20.1784, 18.2352, 8.2506

Deuteranomaly

21.8625, 18.5309, 6.4275

Tritanomaly

28.2878, 19.0159, 9.3872

Monochromacy



Original Color

27.6712, 18.9869, 6.7638

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.0170, 17.0587, 13.3567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6712, 18.9869, 6.7638 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(199, 85, 62)` looks like.

```
.text, #text, p{  
    color:rgb(199, 85, 62)  
}
```

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(199, 85, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 85, 62) }
```

Border

The CSS property to change the border of an element to XYZ 27.6712, 18.9869, 6.7638 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(199, 85, 62) }
```


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

```
.border{ border-color:rgb(199, 85, 62) }
```

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

Here you see how a box with a 4 pixel rgb(199, 85, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 85, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 85, 62);  
box-shadow:4px 4px 4px 4px rgb(199, 85,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6712, 18.9869, 6.7638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 85, 62) }
```

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

```
.background{ background-color: rgb(199, 85,  
62) }
```

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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