

Converting Colors

XYZ(27.7394, 18.7416, 6.7394)

Have a look what the booklet for
XYZ(27.7394, 18.7416, 6.7394)
contains.

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Color

**XYZ(27.7822, 18.8137,
6.7245)**

Conversions

Conversions Part 1

Format	Color
Hex	C8533E
RGB	200, 83, 62
RGB Percent	78%, 33%, 24%
CMY	0.2157, 0.6745, 0.7569
CMYK	0.00, 0.58, 0.69, 0.22
HSL	9°, 56%, 51%
HSV	9°, 69%, 78%
XYZ	27.7822, 18.8137, 6.7245
YIQ	115.5890, 76.4730, 18.2730

Conversions

Conversions Part 2

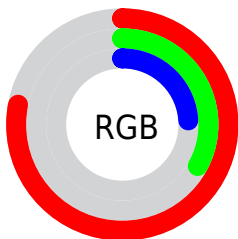
Format	Color
R_{YB}	200, 87, 62
Decimal	13128510
CIE _{Lab}	50.47, 45.33, 35.55
CIE _{LCh}	50, 57.601, 38.105
Yxy	18.8137, 0.5210, 0.3528
Android (android.graphics.Color)	4291318590 (0xFFC8533E)
YUV	115.5890, -26.4194, 74.0284
Hunter-Lab	43.3748, 38.4262, 21.1705

Details

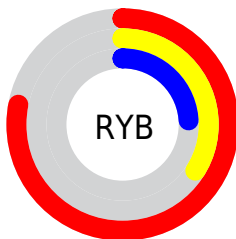
The XYZ color **27.7822, 18.8137, 6.7245** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **28.5306, 37.4315, 60.3646**, and the grayscale version is **16.5373, 17.3985, 18.9470**.

A 20% lighter version of the original color is **52.8586, 39.9941, 19.6855**, and **11.3397, 6.4496, 1.2195** is the 20% darker color. If you saturate the color by 10%, you get **26.1885, 16.3490, 3.9659**, and if you desaturate by 10%, it is **29.8959, 21.9957, 10.6527**.

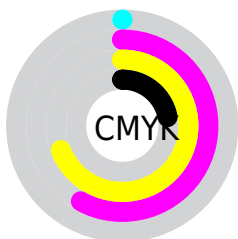
Distribution



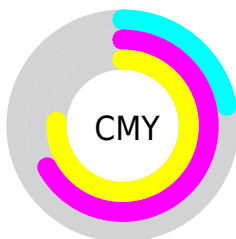
- Red (78%)
- Green (33%)
- Blue (24%)



- Red (78%)
- Yellow (34%)
- Blue (24%)



- Cyan (0%)
- Magenta (58%)
- Yellow (69%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7822, 18.8137, 6.7245 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 27.7822, 18.8137, 6.7245 by changing the saturation by 10% instead.


 27.7822, 18.8137,
6.7245


 27.7822, 18.8137,
6.7245


283.5237,
245.4183, 174.8976


 18.3012, 11.5357,
3.2146


 55.5476, 41.4191,
19.9201


 11.2674, 6.4284,
1.2052


 74.5627, 57.5152,
30.4429


 6.3156, 3.1073,
0.0000


 97.4865, 77.3196,
44.1405

 3.0804, 1.1880,
0.0000

 124.6843,
101.2166, 61.4312

 1.1964, 0.0519,
0.0000

 156.5216,
129.5906, 82.7338

 0.1035, 0.0000,
0.0000

 193.3637,

 0.0000, 0.0000,

162.8259, 108.4667

0.0000

235.5760,
201.3070, 139.0484

■ 27.7822, 18.8137,
6.7245

■ 27.7822, 18.8137,
6.7245

■ 26.1885, 16.3490,
3.9659

■ 29.8959, 21.9957,
10.6527

■ 25.0665, 14.5419,
2.2448

■ 32.5694, 25.9422,
15.8612

■ 24.3506, 13.3243,
1.3459

■ 35.8398, 30.6998,
22.4492

■ 24.2949, 13.2305,
1.2733

■ 39.7410, 36.3106,
30.5054

■ 44.3038, 42.8138,
40.1114

■ 49.5575, 50.2460,
51.3426

■ 55.5292, 58.6420,
64.2696

■ 62.2447, 68.0344,
78.9587

■ 69.7286, 78.4547,
95.4727

Harmonies

Analogous

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



30.8259, 18.8137, 16.4314



27.7822, 18.8137, 6.7245



22.2129, 18.8137, 3.1128

Triad

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



27.7822, 18.8137, 6.7245



9.6252, 18.8137, 10.9903



19.4459, 18.8137, 68.8059

Complementary

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



27.7822, 18.8137, 6.7245



28.5306, 37.4315, 60.3646

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.



14.1539, 18.8137, 64.5898



27.7822, 18.8137, 6.7245



9.1884, 18.8137, 25.1556

Square

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



27.7822, 18.8137, 6.7245



12.0178, 18.8137, 4.5249



10.6668, 18.8137, 46.0699



25.3975, 18.8137, 55.6712

Rectangle

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



27.7822, 18.8137, 6.7245



18.2409, 18.8137, 2.5247



10.6668, 18.8137, 46.0699



17.5275, 18.8137, 69.4620

Sweetspot

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



27.7826, 18.8147, 6.7248



74.7840, 71.3950, 65.3754



33.7090, 18.9914, 44.6960



15.5242, 14.5943, 12.9748



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.



27.7826, 18.8147, 6.7248



44.2373, 26.5466, 5.1118



35.8684, 34.9863, 9.4201



10.7621, 10.8932, 11.0981



15.4895, 8.4962, 0.8235



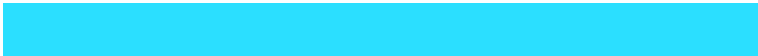
0.7761, 0.4877, 0.0532

Inverse Universe

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



28.5306, 37.4315, 60.3646



45.3904, 60.3999, 103.8738



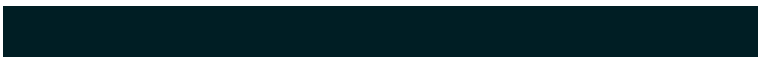
18.0203, 16.4110, 56.8612



10.8039, 11.7818, 13.6222



15.7686, 20.9311, 37.9534



0.7849, 1.0676, 1.8098

Previews

White Background



This preview shows how the XYZ color 27.7822, 18.8137, 6.7245 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 27.7822, 18.8137, 6.7245 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 27.7822, 18.8137, 6.7245

Background



This preview shows how black text looks on a background with the XYZ color 27.7822, 18.8137, 6.7245.



This preview shows how white text looks on a background with the XYZ color 27.7822, 18.8137,

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

27.7822, 18.8137, 6.7245

Protanopia

17.6231, 19.0883, 9.4122

Deuteranopia

19.2390, 18.9366, 6.3825



Tritanopia

28.5957, 18.8107, 10.7180

Trichromacy



Original Color

27.7822, 18.8137, 6.7245

Protanomaly

20.2678, 18.1257, 8.2247

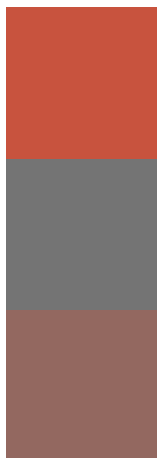
Deuteranomaly

21.7624, 18.3308, 6.3942

Tritanomaly

28.3694, 18.8382, 9.1621

Monochromacy



Original Color

27.7822, 18.8137, 6.7245

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.0943, 16.9482, 13.3313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7822, 18.8137, 6.7245 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(200, 83, 62)` looks like.

```
.text, #text, p{  
    color:rgb(200, 83, 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(200, 83, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 83, 62) }
```

Border

The CSS property to change the border of an element to XYZ 27.7822, 18.8137, 6.7245 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(200, 83, 62) }
```


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

```
.border{ border-color:rgb(200, 83, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 83, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 83, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 83, 62);  
box-shadow:4px 4px 4px 4px rgb(200, 83,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7822, 18.8137, 6.7245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 83, 62) }
```

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

```
.background{ background-color: rgb(200, 83,  
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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