

Converting Colors

XYZ(27.7282, 18.4798, 7.4285)

Have a look what the booklet for
XYZ(27.7282, 18.4798, 7.4285)
contains.

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Color

**XYZ(27.7012, 18.4219,
7.4060)**

Conversions

Conversions Part 1

Format	Color
Hex	C85043
RGB	200, 80, 67
RGB Percent	78%, 31%, 26%
CMY	0.2157, 0.6862, 0.7373
CMYK	0.00, 0.60, 0.66, 0.22
HSL	6°, 55%, 52%
HSV	6°, 66%, 78%
XYZ	27.7012, 18.4219, 7.4060
YIQ	114.3980, 75.6930, 21.3970

Conversions

Conversions Part 2

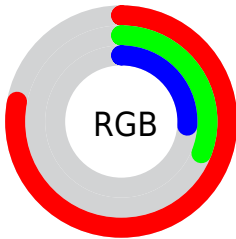
Format	Color
R_{YB}	200, 81, 67
Decimal	13127747
CIE _{Lab}	50.00, 47.01, 32.16
CIE _{LCh}	50, 56.954, 34.379
Yxy	18.4219, 0.5175, 0.3441
Android (android.graphics.Color)	4291317827 (0xFFC85043)
YUV	114.3980, -23.3672, 75.0730
Hunter-Lab	42.9207, 40.0932, 19.8140

Details

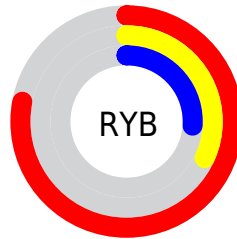
The XYZ color **27.7012, 18.4219, 7.4060** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **30.5090, 40.9013, 60.9300**, and the grayscale version is **16.1667, 17.0086, 18.5224**.

A 20% lighter version of the original color is **52.7220, 39.2729, 21.0213**, and **11.2965, 6.2906, 1.4294** is the 20% darker color. If you saturate the color by 10%, you get **26.0530, 15.9258, 4.3903**, and if you desaturate by 10%, it is **29.9121, 21.7124, 11.6314**.

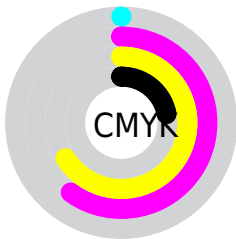
Distribution



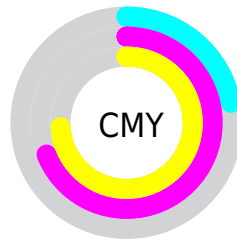
- Red (78%)
- Green (31%)
- Blue (26%)



- Red (78%)
- Yellow (32%)
- Blue (26%)



- Cyan (0%)
- Magenta (60%)
- Yellow (66%)
- Black (22%)





- Cyan (22%)
- Magenta (69%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7012, 18.4219, 7.4060 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 27.7012, 18.4219, 7.4060 by changing the saturation by 10% instead.


 27.7012, 18.4219,
7.4060


 27.7012, 18.4219,
7.4060


283.1424,
243.2385, 180.7528


 18.2398, 11.2533,
3.6350


 55.4190, 40.7549,
21.3121


 11.2230, 6.2375,
1.4273


 74.4062, 56.6882,
32.2842

 6.2855, 2.9900,
0.1629


 97.2994, 76.3117,
46.4938

 3.0617, 1.1265,
0.0000

 124.4639,
100.0100, 64.3594

 1.1865, 0.0004,
0.0000

 156.2651,
128.1675, 86.2996

 0.0957, 0.0000,
0.0000

193.0683,

 0.0000, 0.0000,

161.1684, 112.7329

0.0000

235.2390,
199.3973, 144.0778

■ 27.7012, 18.4219,
7.4060

■ 27.7012, 18.4219,
7.4060

■ 26.0530, 15.9258,
4.3903

■ 29.9121, 21.7124,
11.6314

■ 24.9148, 14.1538,
2.4558

■ 32.7296, 25.8537,
17.1754

■ 24.2243, 13.0279,
1.4389

■ 36.1945, 30.9004,
24.1357

■ 24.0617, 12.7642,
1.1955

■ 40.3439, 36.9021,
32.6006

■ 45.2119, 43.9043,
42.6511

■ 50.8304, 51.9499,
54.3625

■ 57.2294, 61.0793,
67.8051

■ 64.4371, 71.3305,
83.0455

■ 72.4805, 82.7400,
100.1465

Harmonies

Analogous

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



30.2265, 18.4219, 17.8458



27.7012, 18.4219, 7.4060



22.4617, 18.4219, 3.3143

Triad

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



27.7012, 18.4219, 7.4060



9.6363, 18.4219, 9.6505



18.3246, 18.4219, 67.5634

Complementary

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



27.7012, 18.4219, 7.4060



30.5090, 40.9013, 60.9300

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.



13.3445, 18.4219, 61.3103



27.7012, 18.4219, 7.4060



8.9781, 18.4219, 22.4465

Square

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



27.7012, 18.4219, 7.4060



12.2176, 18.4219, 4.0559



10.1856, 18.4219, 42.3219



24.1437, 18.4219, 56.5941

Rectangle

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



27.7012, 18.4219, 7.4060



18.5599, 18.4219, 2.5365



10.1856, 18.4219, 42.3219



16.4995, 18.4219, 67.4356

Sweetspot

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



27.7016, 18.4229, 7.4063



74.9364, 71.2144, 66.9229



35.0027, 19.9642, 50.1051



15.5269, 14.5054, 13.2663



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.



27.7016, 18.4229, 7.4063



44.0876, 25.9991, 5.8266



34.8943, 32.8083, 9.8039



10.7159, 10.8010, 11.0828



15.3299, 8.1770, 0.7703



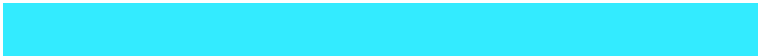
0.7550, 0.4455, 0.0462

Inverse Universe

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



30.5090, 40.9013, 60.9300



49.1380, 67.3694, 105.0215



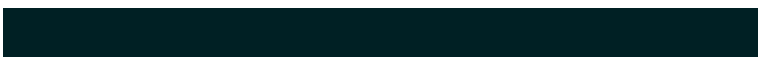
19.7509, 19.3852, 57.3440



10.8547, 11.8834, 13.6391



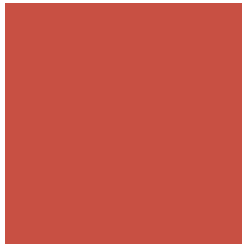
17.0999, 23.5938, 38.3972



0.8360, 1.1699, 1.8269

Previews

White Background



This preview shows how the XYZ color 27.7012, 18.4219, 7.4060 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 27.7012, 18.4219, 7.4060 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 27.7012, 18.4219, 7.4060

Background



This preview shows how black text looks on a background with the XYZ color 27.7012, 18.4219, 7.4060.



This preview shows how white text looks on a background with the XYZ color 27.7012, 18.4219,

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

27.7012, 18.4219, 7.4060

Protanopia

17.1731, 18.4700, 10.6426

Deuteranopia

18.8922, 18.5746, 7.0044



Tritanopia

28.3731, 18.4908, 10.2573

Trichromacy



Original Color

27.7012, 18.4219, 7.4060

Protanomaly

19.9087, 17.6075, 9.3705

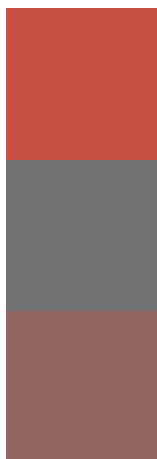
Deuteranomaly

21.3745, 17.9686, 7.0444

Tritanomaly

28.2229, 18.5453, 9.1133

Monochromacy



Original Color

27.7012, 18.4219, 7.4060

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.5861, 16.3856, 13.4924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7012, 18.4219, 7.4060 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, 80, 67)` looks like.

```
.text, #text, p{  
    color:rgb(200, 80, 67)  
}
```

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, 80, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 80, 67) }
```

Border

The CSS property to change the border of an element to XYZ 27.7012, 18.4219, 7.4060 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, 80, 67) }
```


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

```
.border{ border-color:rgb(200, 80, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 80, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 80, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 80, 67);  
box-shadow:4px 4px 4px 4px rgb(200, 80,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7012, 18.4219, 7.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 80, 67) }
```

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

```
.background{ background-color: rgb(200, 80,  
67) }
```

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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