

Converting Colors

XYZ(27.0750, 20.6723, 15.0627)

Have a look what the booklet for
XYZ(27.0750, 20.6723, 15.0627)
contains.

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Color

**XYZ(27.1572, 20.7763,
15.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	B96666
RGB	185, 102, 102
RGB Percent	73%, 40%, 40%
CMY	0.2745, 0.6000, 0.6000
CMYK	0.00, 0.45, 0.45, 0.27
HSL	0°, 37%, 56%
HSV	0°, 45%, 73%
XYZ	27.1572, 20.7763, 15.1493
YIQ	126.8170, 49.4680, 17.5960

Conversions

Conversions Part 2

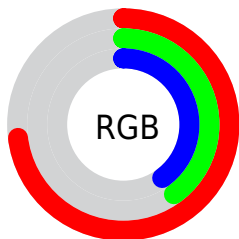
Format	Color
R_{YB}	185, 102, 102
Decimal	12150374
CIE Lab	52.70, 33.18, 14.82
CIE LCh	53, 36.342, 24.065
Yxy	20.7763, 0.4305, 0.3293
Android (android.graphics.Color)	4290340454 (0xFFB96666)
YUV	126.8170, -12.2348, 51.0265
Hunter-Lab	45.5810, 26.5836, 12.2011

Details

The XYZ color **27.1572, 20.7763, 15.1493** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **31.5846, 41.0237, 52.1525**, and the grayscale version is **20.1393, 21.1881, 23.0738**.

A 20% lighter version of the original color is **54.6136, 44.6442, 35.8757**, and **10.9708, 7.3989, 4.4643** is the 20% darker color. If you saturate the color by 10%, you get **24.7204, 17.2108, 10.3045**, and if you desaturate by 10%, it is **30.2055, 25.2371, 21.2084**.

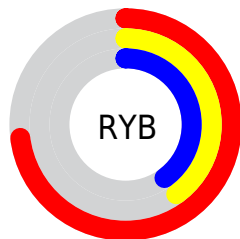
Distribution



Red (73%)

Green (40%)

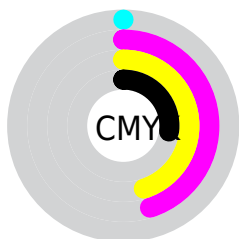
Blue (40%)



Red (73%)

Yellow (40%)

Blue (40%)

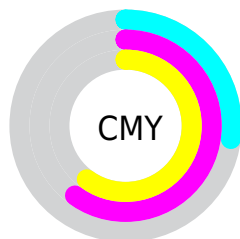


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (27%)



Cyan (27%)


Magenta (60%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1572, 20.7763, 15.1493 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 27.1572, 20.7763, 15.1493 by changing the saturation by 10% instead.


 27.1572, 20.7763,
15.1493


 27.1572, 20.7763,
15.1493


280.5711,
256.0873, 235.9399


 17.8285, 12.9606,
8.7764


 54.5541, 44.7149,
35.8609

 10.9259, 7.4014,
4.5008


 73.3531, 61.6066,
51.0367

 6.0839, 3.7144,
1.9039


 96.0395, 82.2925,
69.9839

 2.9373, 1.5151,
0.4952

 122.9788,
107.1568, 93.1211

 1.1207, 0.2993,
0.0000

154.5362,
136.5841, 120.8667

 0.0423, 0.0000,
0.0000

191.0772,

 0.0000, 0.0000,

170.9586, 153.6394

0.0000

232.9670,
210.6649, 191.8576

■ 27.1572, 20.7763,
15.1493

■ 27.1572, 20.7763,
15.1493

■ 24.7204, 17.2108,
10.3045

■ 30.2055, 25.2371,
21.2084

■ 22.8524, 14.4773,
6.5911

■ 33.9009, 30.6446,
28.5547

■ 21.5076, 12.5094,
3.9178


■ 38.2783, 37.0500,
37.2568


■ 20.6326, 11.2290,
2.1786


■ 43.3697, 44.5001,
47.3783

■ 20.1628, 10.5415,
1.2449


■ 49.2048, 53.0385,
58.9784

 20.0076, 10.3145,
0.9364

 55.8120, 62.7066,
72.1133

 63.2178, 73.5434,
86.8360

 71.4478, 85.5861,
103.1972

 73.8175, 89.0543,
107.9063

Harmonies

Analogous

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



27.8971, 20.7763, 24.8437



27.1572, 20.7763, 15.1493



24.3285, 20.7763, 9.6043

Triad

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



27.1572, 20.7763, 15.1493



14.4262, 20.7763, 12.4706



19.0050, 20.7763, 50.2943

Complementary

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



27.1572, 20.7763, 15.1493



31.5846, 41.0237, 52.1525

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.



15.7805, 20.7763, 44.0154



27.1572, 20.7763, 15.1493



13.3627, 20.7763, 20.5366

Square

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



27.1572, 20.7763, 15.1493



16.9285, 20.7763, 8.4388



13.8250, 20.7763, 32.2189



22.8627, 20.7763, 47.4567

Rectangle

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



27.1572, 20.7763, 15.1493



21.8112, 20.7763, 7.9263



13.8250, 20.7763, 32.2189



17.8178, 20.7763, 49.1306

Sweetspot

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



27.1577, 20.7774, 15.1497



69.9729, 68.4293, 69.5430



33.5159, 23.3200, 48.6335



14.6801, 14.1599, 14.1878



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.1577, 20.7774, 15.1497



44.2671, 30.8142, 18.4414



32.3036, 31.0691, 16.8650



9.0047, 9.0123, 9.3719



13.6235, 7.0233, 0.6376



0.4803, 0.2476, 0.0225

Inverse Universe

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



31.5846, 41.0237, 52.1525



53.2166, 71.7451, 93.2480



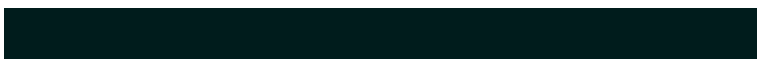
24.1343, 26.1231, 49.6691



9.2667, 10.2106, 11.5619



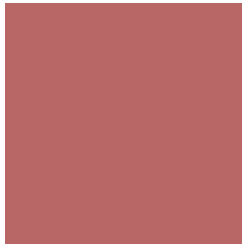
17.7745, 26.0086, 35.3364



0.6266, 0.9169, 1.2457

Previews

White Background



This preview shows how the XYZ color 27.1572, 20.7763, 15.1493 looks on a white background.

Color Contrast Check

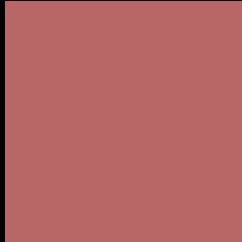
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1572, 20.7763, 15.1493 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 27.1572, 20.7763, 15.1493

Background



This preview shows how black text looks on a background with the XYZ color 27.1572, 20.7763, 15.1493.



This preview shows how white text looks on a background with the XYZ color 27.1572, 20.7763,

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

27.1572, 20.7763, 15.1493

Protanopia

19.8582, 20.9619, 18.9190

Deuteranopia

21.3022, 20.8715, 14.7102



Tritanopia

27.3680, 20.7044, 16.7412

Trichromacy



Original Color

27.1572, 20.7763, 15.1493

Protanomaly

21.9383, 20.4277, 17.5385

Deuteranomaly

23.0155, 20.5318, 14.8066

Tritanomaly

27.2628, 20.6623, 16.1870

Monochromacy



Original Color

27.1572, 20.7763, 15.1493

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.9612, 20.5608, 19.9507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1572, 20.7763, 15.1493 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(185, 102, 102)` looks like.

```
.text, #text, p{  
    color:rgb(185, 102, 102)  
}
```

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(185, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 102, 102) }
```

Border

The CSS property to change the border of an element to XYZ 27.1572, 20.7763, 15.1493 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(185, 102, 102) }
```


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

```
.border{ border-color:rgb(185, 102, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 102, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 102, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 102, 102);  
box-shadow:4px 4px 4px 4px rgb(185, 102,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1572, 20.7763, 15.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 102, 102) }
```

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

```
.background{ background-color: rgb(185,  
102, 102) }
```

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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