

Converting Colors

XYZ(20.8028, 15.2683, 10.2637)

Have a look what the booklet for
XYZ(20.8028, 15.2683, 10.2637)
contains.

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Color

**XYZ(20.7069, 15.1962,
10.2293)**

Conversions

Conversions Part 1

Format	Color
Hex	A75454
RGB	167, 84, 84
RGB Percent	65%, 33%, 33%
CMY	0.3451, 0.6706, 0.6706
CMYK	0.00, 0.50, 0.50, 0.35
HSL	0°, 33%, 49%
HSV	0°, 50%, 65%
XYZ	20.7069, 15.1962, 10.2293
YIQ	108.8170, 49.4680, 17.5960

Conversions

Conversions Part 2

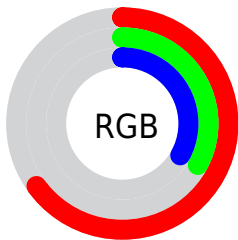
Format	Color
RYB	167, 84, 84
Decimal	10966100
CIELab	45.90, 34.04, 15.81
CIELCh	46, 37.532, 24.909
Yxy	15.1962, 0.4489, 0.3294
Android (android.graphics.Color)	4289156180 (0xFFA75454)
YUV	108.8170, -12.2348, 51.0265
Hunter-Lab	38.9823, 26.5979, 11.7294

Details

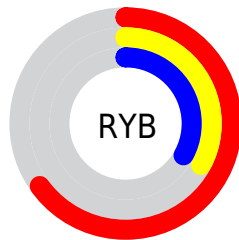
The XYZ color **20.7069, 15.1962, 10.2293** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.4492, 32.3107, 41.5071**, and the grayscale version is **14.5081, 15.2637, 16.6221**.

A 20% lighter version of the original color is **43.9489, 35.0290, 26.6352**, and **7.5228, 4.7281, 2.4356** is the 20% darker color. If you saturate the color by 10%, you get **18.9839, 12.6751, 6.8036**, and if you desaturate by 10%, it is **22.8956, 18.3992, 14.5798**.

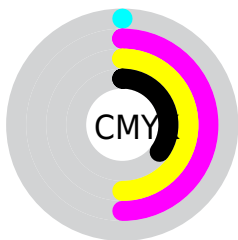
Distribution



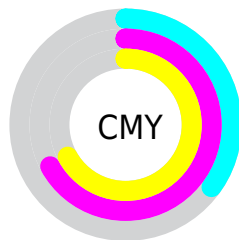
- Red (65%)
- Green (33%)
- Blue (33%)



- Red (65%)
- Yellow (33%)
- Blue (33%)



- Cyan (0%)
- Magenta (50%)
- Yellow (50%)
- Black (35%)



- Cyan (35%)
- Magenta (67%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7069, 15.1962, 10.2293 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 20.7069, 15.1962, 10.2293 by changing the saturation by 10% instead.

■ 20.7069, 15.1962,
10.2293

■ 20.7069, 15.1962,
10.2293

248.4780,
224.5507, 202.8448

■ 13.0212, 8.9572,
5.4437

■ 44.0942, 35.1970,
26.8404

■ 7.5202, 4.7133,
2.4466

■ 60.5264, 49.7276,
39.5030

■ 3.8387, 2.0800,
0.8117

■ 80.6049, 67.7908,
55.6283

■ 1.6113, 0.6534,
0.0000

■ 104.6950, 89.7711,
75.6349

■ 0.3998, 0.0000,
0.0000

■ 133.1619,
116.0529, 99.9413

■ 0.0000, 0.0000,
0.0000

166.3712,

147.0205, 128.9661

204.6881,
183.0583, 163.1277

■ 20.7069, 15.1962,
10.2293

■ 20.7069, 15.1962,
10.2293

■ 18.9839, 12.6751,
6.8036

■ 22.8956, 18.3992,
14.5798

■ 17.6918, 10.7844,
4.2352

■ 25.5792, 22.3260,
19.9146

■ 16.7930, 9.4692,
2.4485

■ 28.7857, 27.0180,
26.2889


■ 16.2428, 8.6640,
1.3548


■ 32.5407, 32.5127,
33.7539

■ 15.9446, 8.2276,
0.7621


■ 36.8684, 38.8453,
42.3571

 15.9364, 8.2157,
0.7458

 41.7911, 46.0486,
52.1434

 47.3303, 54.1540,
63.1553

 53.5063, 63.1911,
75.4330

 60.3383, 73.1883,
89.0151

Harmonies

Analogous

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



21.4049, 15.1962, 18.1440



20.7069, 15.1962, 10.2293



18.2385, 15.1962, 5.9787

Triad

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



20.7069, 15.1962, 10.2293



10.0083, 15.1962, 8.4031



13.9094, 15.1962, 40.7343

Complementary

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



20.7069, 15.1962, 10.2293



24.4492, 32.3107, 41.5071

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.



11.2153, 15.1962, 35.3330



20.7069, 15.1962, 10.2293



9.1834, 15.1962, 15.0448

Square

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



20.7069, 15.1962, 10.2293



12.0255, 15.1962, 5.2268



9.5907, 15.1962, 25.0406



17.1657, 15.1962, 37.9646

Rectangle

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



20.7069, 15.1962, 10.2293



16.0893, 15.1962, 4.7671



9.5907, 15.1962, 25.0406



12.9140, 15.1962, 39.7699

Sweetspot

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



20.7073, 15.1970, 10.2296



54.4079, 52.5645, 52.7564



26.0817, 17.3462, 38.5326



11.8776, 11.3271, 11.2138



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.7073, 15.1970, 10.2296



33.6336, 22.1656, 11.4584



24.9337, 23.6498, 11.6384



7.5312, 7.5424, 7.8482



12.1947, 6.2867, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



24.4492, 32.3107, 41.5071



41.1412, 56.5021, 74.2129



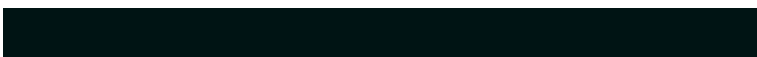
18.0284, 19.4691, 39.3668



7.7475, 8.5320, 9.6568



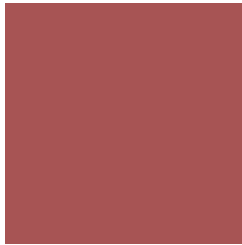
15.9104, 23.2811, 31.6306



0.3871, 0.5665, 0.7696

Previews

White Background



This preview shows how the XYZ color 20.7069, 15.1962, 10.2293 looks on a white background.

Color Contrast Check

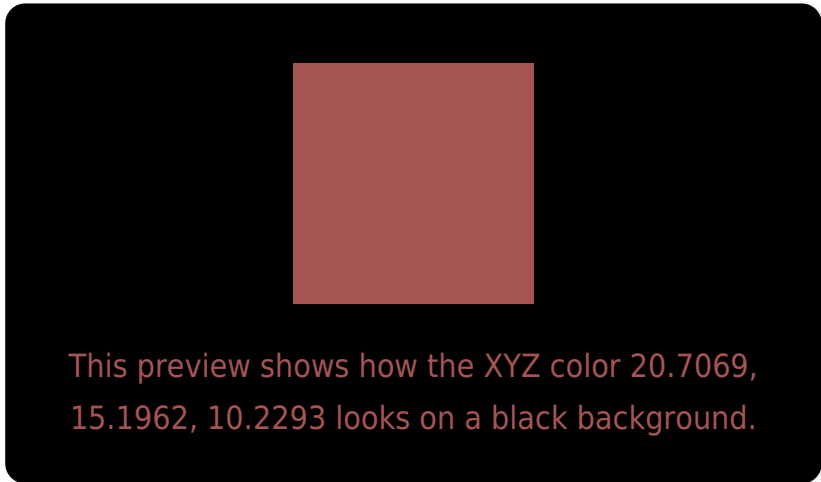
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 20.7069, 15.1962, 10.2293

Background



This preview shows how black text looks on a background with the XYZ color 20.7069, 15.1962, 10.2293.



This preview shows how white text looks on a background with the XYZ color 20.7069, 15.1962,

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

20.7069, 15.1962, 10.2293

Protanopia

14.5194, 15.3592, 13.2657

Deuteranopia

15.5528, 15.3495, 9.7324



Tritanopia

20.8328, 15.1233, 11.2723

Trichromacy



Original Color

20.7069, 15.1962, 10.2293

Protanomaly

16.1618, 14.8736, 12.1443

Deuteranomaly

17.0876, 14.9831, 9.7760

Tritanomaly

20.7499, 15.0901, 10.8359

Monochromacy



Original Color

20.7069, 15.1962, 10.2293

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.0633, 14.7803, 14.0628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7069, 15.1962, 10.2293 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(167, 84, 84)` looks like.

```
.text, #text, p{  
    color:rgb(167, 84, 84)  
}
```

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(167, 84, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 84, 84) }
```

Border

The CSS property to change the border of an element to XYZ 20.7069, 15.1962, 10.2293 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(167, 84, 84) }
```


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

```
.border{ border-color:rgb(167, 84, 84) }
```

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

Here you see how a box with a 4 pixel rgb(167, 84, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 84, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 84, 84);  
box-shadow:4px 4px 4px 4px rgb(167, 84,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7069, 15.1962, 10.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 84, 84) }
```

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

```
.background{ background-color: rgb(167, 84,  
84) }
```

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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