

Converting Colors

XYZ(20.3407, 12.1428, 4.3450)

Have a look what the booklet for
XYZ(20.3407, 12.1428, 4.3450)
contains.

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Color

**XYZ(20.3067, 12.0952,
4.2819)**

Conversions

Conversions Part 1

Format	Color
Hex	B33232
RGB	179, 50, 50
RGB Percent	70%, 20%, 20%
CMY	0.2980, 0.8039, 0.8039
CMYK	0.00, 0.72, 0.72, 0.30
HSL	0°, 56%, 45%
HSV	0°, 72%, 70%
XYZ	20.3067, 12.0952, 4.2819
YIQ	88.5710, 76.8840, 27.3480

Conversions

Conversions Part 2

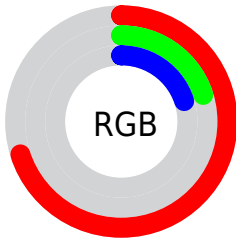
Format	Color
R _Y B	179, 50, 50
Decimal	11743794
CIE Lab	41.37, 51.64, 30.90
CIE LCh	41, 60.173, 30.894
Yxy	12.0952, 0.5536, 0.3297
Android (android.graphics.Color)	4289933874 (0xFFB33232)
YUV	88.5710, -19.0155, 79.3062
Hunter-Lab	34.7782, 43.3630, 17.0449

Details

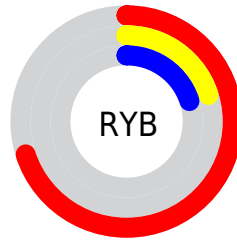
The XYZ color **20.3067, 12.0952, 4.2819** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **25.5702, 36.1691, 48.2811**, and the grayscale version is **9.4303, 9.9214, 10.8044**.

A 20% lighter version of the original color is **43.4849, 29.6670, 14.7437**, and **7.6351, 3.9329, 0.5003** is the 20% darker color. If you saturate the color by 10%, you get **19.3718, 10.7274, 2.4233**, and if you desaturate by 10%, it is **21.6921, 14.1229, 7.0356**.

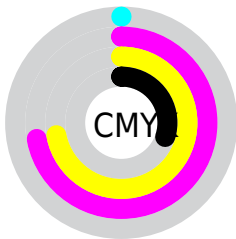
Distribution



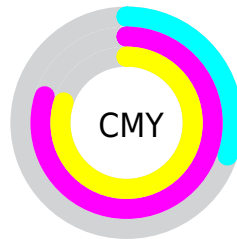
- Red (70%)
- Green (20%)
- Blue (20%)



- Red (70%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (72%)
- Yellow (72%)
- Black (30%)





- Cyan (30%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3067, 12.0952, 4.2819 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 20.3067, 12.0952, 4.2819 by changing the saturation by 10% instead.


 20.3067, 12.0952,
4.2819


 20.3067, 12.0952,
4.2819


246.3727,
205.0345, 151.3090


 12.7277, 6.8085,
1.7812


 43.4308, 29.6684,
14.6549


 7.3170, 3.3427,
0.4155


 59.7067, 42.7237,
23.3642

 3.7092, 1.3131,
0.0000

 79.6123, 59.1373,
34.9802

 1.5390, 0.1513,
0.0000

 103.5128, 79.2937,
49.9214

 0.3521, 0.0000,
0.0000

 131.7738,
103.5772, 68.6064

 0.0000, 0.0000,
0.0000

 164.7606,

132.3723, 91.4536

202.8384,
166.0632, 118.8816

■ 20.3067, 12.0952,
4.2819

■ 20.3067, 12.0952,
4.2819

■ 19.3718, 10.7274,
2.4233

■ 21.6921, 14.1229,
7.0356

■ 18.8308, 9.9357,
1.3479

■ 23.5743, 16.8770,
10.7770

■ 18.5904, 9.5839,
0.8701

■ 25.9944, 20.4184,
15.5880

■ 28.9894, 24.8009,
21.5418

■ 32.5926, 30.0735,
28.7050

■ 36.8352, 36.2816,
37.1392

■ 41.7460, 43.4674,
46.9018

■ 47.3521, 51.6706,
58.0467

■ 53.6791, 60.9287,
70.6247

Harmonies

Analogous

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



22.0953, 12.0952, 12.7981



20.3067, 12.0952, 4.2819



16.0809, 12.0952, 1.3538

Triad

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



20.3067, 12.0952, 4.2819



5.6118, 12.0952, 4.5964



11.6276, 12.0952, 54.7866

Complementary

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



20.3067, 12.0952, 4.2819



25.5702, 36.1691, 48.2811

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.



7.8779, 12.0952, 47.3114



20.3067, 12.0952, 4.2819



4.9807, 12.0952, 13.5482

Square

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



20.3067, 12.0952, 4.2819



7.7029, 12.0952, 1.4378



5.6934, 12.0952, 29.7675



16.3662, 12.0952, 46.4372

Rectangle

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



20.3067, 12.0952, 4.2819



12.8762, 12.0952, 0.8325



5.6934, 12.0952, 29.7675



10.2184, 12.0952, 54.0143

Sweetspot

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



20.3070, 12.0959, 4.2821



58.1597, 53.5491, 50.9862



27.8675, 15.1195, 44.0970



12.4811, 11.2723, 10.4924



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.3070, 12.0959, 4.2821



34.0924, 18.3313, 3.1429



25.2398, 21.9616, 5.9264



8.4964, 8.5054, 8.8464



13.1370, 6.7725, 0.6148



0.4134, 0.2131, 0.0194

Inverse Universe

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



25.5702, 36.1691, 48.2811



44.0502, 63.8775, 86.3891



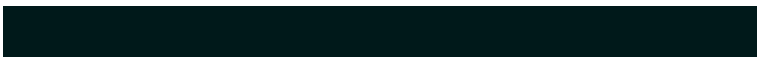
15.5259, 16.0804, 44.9330



8.7426, 9.6315, 10.9046



17.1392, 25.0789, 34.0744



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 20.3067, 12.0952, 4.2819 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 20.3067, 12.0952, 4.2819

Background



This preview shows how black text looks on a background with the XYZ color 20.3067, 12.0952, 4.2819.



This preview shows how white text looks on a background with the XYZ color 20.3067, 12.0952,

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

20.3067, 12.0952, 4.2819

Protanopia

11.4442, 12.2664, 7.0747

Deuteranopia

12.4467, 12.3101, 3.9106



Tritanopia

20.3508, 12.1128, 4.5142

Trichromacy



Original Color

20.3067, 12.0952, 4.2819

Protanomaly

13.4576, 11.2083, 5.8690

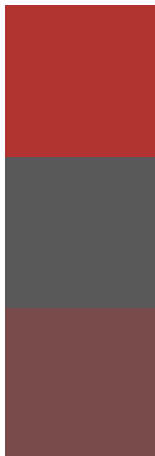
Deuteranomaly

14.5257, 11.4779, 3.9325

Tritanomaly

20.3285, 12.1039, 4.3968

Monochromacy



Original Color

20.3067, 12.0952, 4.2819

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.8121, 9.6777, 7.9020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3067, 12.0952, 4.2819 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(179, 50, 50)` looks like.

```
.text, #text, p{  
    color:rgb(179, 50, 50)  
}
```

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(179, 50, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 50, 50) }
```

Border

The CSS property to change the border of an element to XYZ 20.3067, 12.0952, 4.2819 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(179, 50, 50) }
```


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

```
.border{ border-color:rgb(179, 50, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 50, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 50, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 50, 50);  
box-shadow:4px 4px 4px 4px rgb(179, 50,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3067, 12.0952, 4.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 50, 50) }
```

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

```
.background{ background-color: rgb(179, 50,  
50) }
```

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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