

Converting Colors

XYZ(23.2763, 12.1779, 5.5391)

Have a look what the booklet for
XYZ(23.2763, 12.1779, 5.5391)
contains.

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Color

**XYZ(23.2757, 12.1768,
5.5385)**

Conversions

Conversions Part 1

Format	Color
Hex	C2103D
RGB	194, 16, 61
RGB Percent	76%, 6%, 24%
CMY	0.2392, 0.9371, 0.7608
CMYK	0.00, 0.92, 0.69, 0.24
HSL	345°, 85%, 41%
HSV	345°, 92%, 76%
XYZ	23.2757, 12.1768, 5.5385
YIQ	74.3520, 91.6430, 51.7310

Conversions

Conversions Part 2

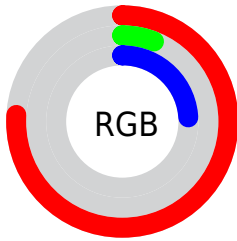
Format	Color
RYB	194, 16, 61
Decimal	12718141
CIELab	41.50, 64.99, 25.03
CIElCh	41, 69.643, 21.061
Yxy	12.1768, 0.5678, 0.2971
Android (android.graphics.Color)	4290908221 (0xFFC2103D)
YUV	74.3520, -6.5825, 104.9313
Hunter-Lab	34.8953, 57.9956, 15.0163

Details

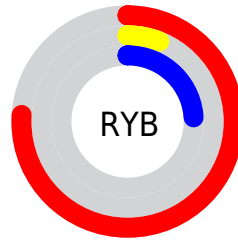
The XYZ color **23.2757, 12.1768, 5.5385** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **24.9327, 40.8644, 35.0181**, and the grayscale version is **6.5739, 6.9163, 7.5318**.

A 20% lighter version of the original color is **47.4365, 29.3222, 17.3469**, and **9.6420, 4.9560, 1.1102** is the 20% darker color. If you saturate the color by 10%, you get **22.8029, 11.6912, 3.9631**, and if you desaturate by 10%, it is **24.1488, 13.2114, 8.0236**.

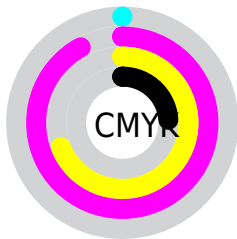
Distribution



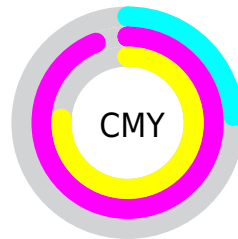
- Red (76%)
- Green (6%)
- Blue (24%)



- Red (76%)
- Yellow (6%)
- Blue (24%)



- Cyan (0%)
- Magenta (92%)
- Yellow (69%)
- Black (24%)





- Cyan (24%)
- Magenta (94%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2757, 12.1768, 5.5385 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 23.2757, 12.1768, 5.5385 by changing the saturation by 10% instead.


 23.2757, 12.1768,
5.5385


 23.2757, 12.1768,
5.5385


261.6469,
205.5723, 164.0391

 14.9190, 6.8642,
2.5023


 48.3090, 29.8167,
17.4260


 8.8485, 3.3773,
0.8414


 65.7163, 42.9128,
27.1145

 4.6988, 1.3317,
0.0000

 86.8712, 59.3722,
39.8575

 2.1046, 0.1656,
0.0000

 112.1390, 79.5793,
56.0735

 0.6917, 0.0000,
0.0000

 141.8851,
103.9184, 76.1812

 0.0000, 0.0000,
0.0000

 176.4749,

132.7740, 100.5989

216.2737,
166.5305, 129.7454

■ 23.2757, 12.1768,
5.5385

■ 23.2757, 12.1768,
5.5385

■ 22.8029, 11.6912,
3.9631

■ 24.1488, 13.2114,
8.0236

■ 25.4512, 14.9233,
11.2109

■ 27.2357, 17.4067,
15.1528

■ 29.5468, 20.7401,
19.8958

■ 32.4235, 24.9924,
25.4827

■ 35.9014, 30.2254,
31.9530

■ 40.0127, 36.4953,
39.3436

■ 44.7876, 43.8542,
47.6892

■ 50.2541, 52.3507,
57.0229

Harmonies

Analogous

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



24.1357, 12.1768, 18.0919



23.2757, 12.1768, 5.5385



18.8529, 12.1768, 1.2370

Triad

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



23.2757, 12.1768, 5.5385



5.5224, 12.1768, 2.3092



10.1228, 12.1768, 64.4526

Complementary

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



23.2757, 12.1768, 5.5385



24.9327, 40.8644, 35.0181

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.



6.4606, 12.1768, 49.0340



23.2757, 12.1768, 5.5385



4.3631, 12.1768, 9.3731

Square

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



23.2757, 12.1768, 5.5385



8.4095, 12.1768, 0.4581



4.6474, 12.1768, 26.0488



15.4460, 12.1768, 60.1686

Rectangle

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



23.2757, 12.1768, 5.5385



15.0382, 12.1768, 0.3965



4.6474, 12.1768, 26.0488



8.6869, 12.1768, 61.1436

Sweetspot

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



23.2760, 12.1776, 5.5387



67.3694, 58.2916, 62.1156



21.8735, 10.4270, 51.8983



14.0794, 11.7426, 12.3759



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.



23.2760, 12.1776, 5.5387



41.2276, 21.1474, 6.7287



23.8324, 14.4881, 2.0316



10.1753, 10.1187, 11.0137



15.0207, 7.6980, 2.7553



0.6779, 0.3442, 0.2713

Inverse Universe

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



23.2760, 12.1776, 5.5387



41.2276, 21.1474, 6.7287



21.2568, 26.6156, 55.0555



10.1753, 10.1187, 11.0137



15.0207, 7.6980, 2.7553



0.6779, 0.3442, 0.2713

Previews

White Background



This preview shows how the XYZ color 23.2757, 12.1768, 5.5385 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



This preview shows how the XYZ color 23.2757, 12.1768, 5.5385 looks on a 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 23.2757, 12.1768, 5.5385

Background



This preview shows how black text looks on a background with the XYZ color 23.2757, 12.1768, 5.5385.



This preview shows how white text looks on a background with the XYZ color 23.2757, 12.1768,

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

23.2757, 12.1768, 5.5385

Protanopia

11.9739, 12.5880, 11.2498

Deuteranopia

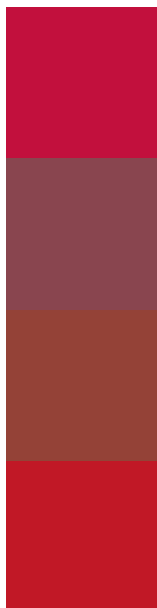
12.7381, 12.5699, 5.0037



Tritanopia

22.5830, 12.2382, 2.0916

Trichromacy



Original Color

23.2757, 12.1768, 5.5385

Protanomaly

13.8559, 10.1391, 8.6239

Deuteranomaly

14.8505, 10.4682, 4.8523

Tritanomaly

22.6688, 12.1307, 2.9804

Monochromacy



Original Color

23.2757, 12.1768, 5.5385

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

9.8185, 6.8274, 6.4306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2757, 12.1768, 5.5385 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(194, 16, 61)` looks like.

```
.text, #text, p{  
    color:rgb(194, 16, 61)  
}
```

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(194, 16, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 16, 61) }
```

Border

The CSS property to change the border of an element to XYZ 23.2757, 12.1768, 5.5385 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(194, 16, 61) }
```


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

```
.border{ border-color:rgb(194, 16, 61) }
```

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

Here you see how a box with a 4 pixel rgb(194, 16, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 16, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 16, 61);  
box-shadow:4px 4px 4px 4px rgb(194, 16,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2757, 12.1768, 5.5385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 16, 61) }
```

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

```
.background{ background-color: rgb(194, 16,  
61) }
```

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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