

Converting Colors

XYZ(22.7348, 11.9777, 5.1167)

Have a look what the booklet for
XYZ(22.7348, 11.9777, 5.1167)
contains.

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Color

**XYZ(22.7348, 11.9777,
5.1167)**

Conversions

Conversions Part 1

Format	Color
Hex	C0133A
RGB	192, 19, 58
RGB Percent	75%, 7%, 23%
CMY	0.2471, 0.9254, 0.7725
CMYK	0.00, 0.90, 0.70, 0.25
HSL	346°, 82%, 41%
HSV	346°, 90%, 75%
XYZ	22.7348, 11.9777, 5.1167
YIQ	75.1730, 90.5890, 48.8050

Conversions

Conversions Part 2

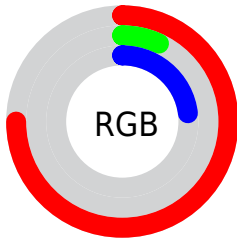
Format	Color
R_{YB}	192, 19, 58
Decimal	12587834
CIE _{Lab}	41.18, 63.91, 26.41
CIE _{LCh}	41, 69.151, 22.457
Yxy	11.9777, 0.5708, 0.3007
Android (android.graphics.Color)	4290777914 (0xFFC0133A)
YUV	75.1730, -8.4663, 102.4573
Hunter-Lab	34.6088, 56.6926, 15.4605

Details

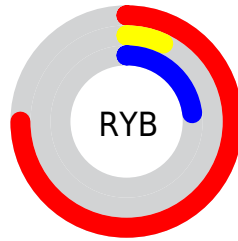
The XYZ color **22.7348, 11.9777, 5.1167** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **24.8702, 40.1383, 36.5837**, and the grayscale version is **6.7246, 7.0748, 7.7045**.

A 20% lighter version of the original color is **47.3622, 29.4247, 16.5479**, and **9.3071, 4.7863, 0.9636** is the 20% darker color. If you saturate the color by 10%, you get **22.1789, 11.3827, 3.3390**, and if you desaturate by 10%, it is **23.6368, 13.0864, 7.5616**.

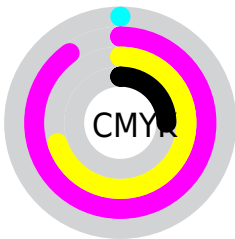
Distribution



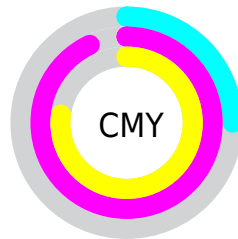
- Red (75%)
- Green (7%)
- Blue (23%)



- Red (75%)
- Yellow (7%)
- Blue (23%)



- Cyan (0%)
- Magenta (90%)
- Yellow (70%)
- Black (25%)



- Cyan (25%)
- Magenta (93%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7348, 11.9777, 5.1167 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 22.7348, 11.9777, 5.1167 by changing the saturation by 10% instead.

■ 22.7348, 11.9777,
5.1167

■ 22.7348, 11.9777,
5.1167

258.9208,
204.2576, 159.9290

■ 14.5174, 6.7285,
2.2560

■ 47.4274, 29.4545,
16.5128

■ 8.5655, 3.2929,
0.7064

■ 64.6333, 42.4509,
25.8852

■ 4.5137, 1.2865,
0.0000

■ 85.5661, 58.7984,
38.2652

■ 1.9967, 0.1307,
0.0000

■ 110.5911, 78.8815,
54.0715

■ 0.6321, 0.0000,
0.0000

■ 140.0737,
103.0846, 73.7224

■ 0.0000, 0.0000,
0.0000

■ 174.3793,

131.7921, 97.6366

213.8732,
165.3883, 126.2327

■ 22.7348, 11.9777,
5.1167

■ 22.7348, 11.9777,
5.1167

■ 22.1789, 11.3827,
3.3390

■ 23.6368, 13.0864,
7.5616

■ 24.9733, 14.8752,
10.7328

■ 26.7949, 17.4334,
14.6853

■ 29.1450, 20.8361,
19.4683

■ 32.0617, 25.1494,
25.1268

■ 35.5797, 30.4328,
31.7025

■ 39.7307, 36.7406,
39.2342

■ 44.5444, 44.1234,
47.7585

■ 50.0483, 52.6280,
57.3102

Harmonies

Analogous

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



23.7710, 11.9777, 16.9862



22.7348, 11.9777, 5.1167



18.2787, 11.9777, 1.1404

Triad

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



22.7348, 11.9777, 5.1167



5.3516, 11.9777, 2.4482



10.1723, 11.9777, 63.5493

Complementary

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



22.7348, 11.9777, 5.1167



24.8702, 40.1383, 36.5837

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.



6.4867, 11.9777, 49.1459



22.7348, 11.9777, 5.1167



4.2822, 11.9777, 9.7606

Square

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



22.7348, 11.9777, 5.1167



8.1024, 11.9777, 0.4960



4.6265, 11.9777, 26.5840



15.4510, 11.9777, 58.3965

Rectangle

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



22.7348, 11.9777, 5.1167



14.5240, 11.9777, 0.3542



4.6265, 11.9777, 26.5840



8.7335, 11.9777, 60.6098

Sweetspot

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



22.7351, 11.9784, 5.1169



66.3545, 57.9968, 60.9002



22.6290, 10.9129, 50.7825



13.7153, 11.6556, 12.1108



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.7351, 11.9784, 5.1169



40.1099, 20.5941, 5.6422



23.7548, 15.0514, 2.2704



10.1641, 10.1142, 10.9546



14.9490, 7.6693, 2.3775



0.6729, 0.3422, 0.2451

Inverse Universe

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



22.7351, 11.9784, 5.1169



40.1099, 20.5941, 5.6422



20.0427, 24.4630, 53.5342



10.1641, 10.1142, 10.9546



14.9490, 7.6693, 2.3775



0.6729, 0.3422, 0.2451

Previews

White Background



This preview shows how the XYZ color 22.7348, 11.9777, 5.1167 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 22.7348, 11.9777, 5.1167

Background



This preview shows how black text looks on a background with the XYZ color 22.7348, 11.9777, 5.1167.



This preview shows how white text looks on a background with the XYZ color 22.7348, 11.9777,

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

22.7348, 11.9777, 5.1167

Protanopia

11.7163, 12.3343, 10.3576

Deuteranopia

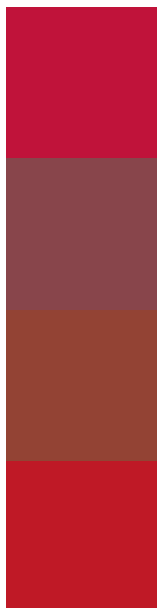
12.5831, 12.3647, 4.6292



Tritanopia

22.1117, 12.0297, 2.1338

Trichromacy



Original Color

22.7348, 11.9777, 5.1167

Protanomaly

13.5515, 9.9985, 7.8723

Deuteranomaly

14.6596, 10.4653, 4.4962

Tritanomaly

22.1833, 11.9116, 2.9637

Monochromacy



Original Color

22.7348, 11.9777, 5.1167

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

9.9116, 7.0136, 6.4616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7348, 11.9777, 5.1167 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(192, 19, 58)` looks like.

```
.text, #text, p{  
    color:rgb(192, 19, 58)  
}
```

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(192, 19, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 19, 58) }
```

Border

The CSS property to change the border of an element to XYZ 22.7348, 11.9777, 5.1167 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(192, 19, 58) }
```


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

```
.border{ border-color:rgb(192, 19, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 19, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 19, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 19, 58);  
box-shadow:4px 4px 4px 4px rgb(192, 19,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7348, 11.9777, 5.1167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 19, 58) }
```

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

```
.background{ background-color: rgb(192, 19,  
58) }
```

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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