

Converting Colors

XYZ(21.0428, 9.5217, 2.2303)

Have a look what the booklet for
XYZ(21.0428, 9.5217, 2.2303)
contains.

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Color

**XYZ(22.0270, 11.3220,
2.5378)**

Conversions

Conversions Part 1

Format	Color
Hex	C00022
RGB	192, 0, 34
RGB Percent	75%, 0%, 13%
CMY	0.2471, 0.9998, 0.8667
CMYK	0.00, 1.00, 0.82, 0.25
HSL	349°, 100%, 38%
HSV	349°, 100%, 75%
XYZ	22.0270, 11.3220, 2.5378
YIQ	61.2840, 103.5180, 51.2780

Conversions

Conversions Part 2

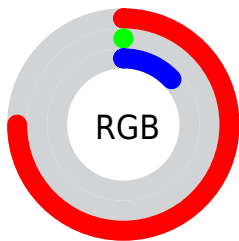
Format	Color
RYB	192, 0, 34
Decimal	12582946
CIELab	40.12, 65.23, 39.62
CIELCh	40, 76.326, 31.275
Yxy	11.3220, 0.6138, 0.3155
Android (android.graphics.Color)	4290773026 (0xFFC00022)
YUV	61.2840, -13.4510, 114.6379
Hunter-Lab	33.6482, 57.9666, 19.0820

Details

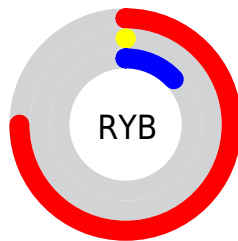
The XYZ color **22.0270, 11.3220, 2.5378** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **25.0248, 40.1692, 38.7991**, and the grayscale version is **4.4871, 4.7208, 5.1410**.

A 20% lighter version of the original color is **45.7445, 28.0110, 10.3928**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **22.0264, 11.3217, 2.5354**, and if you desaturate by 10%, it is **22.5465, 11.9088, 4.1057**.

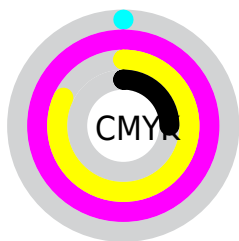
Distribution



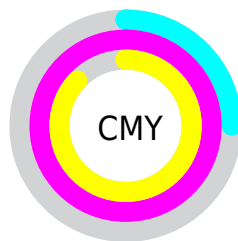
- Red (75%)
- Green (0%)
- Blue (13%)



- Red (75%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.0270, 11.3220, 2.5378 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 22.0270, 11.3220, 2.5378 by changing the saturation by 10% instead.


 22.0270, 11.3220,
2.5378


 22.0270, 11.3220,
2.5378


255.3170,
199.8635, 130.2367


 13.9935, 6.2839,
0.8601


 46.2691, 28.2541,
10.4649


 8.1978, 3.0184,
0.0000


 63.2084, 40.9168,
17.5551

 4.2746, 1.1414,
0.0000

 83.8470, 56.8898,
27.2877

 1.8586, 0.0130,
0.0000

 108.5503, 76.5576,
40.0813


 0.5526, 0.0000,
0.0000


 137.6836,
100.3044, 56.3545


 0.0000, 0.0000,
0.0000


 171.6122,


128.5148, 76.5258


 210.7015,
161.5730, 101.0137


 22.0270, 11.3220,
2.5378


 22.0270, 11.3220,
2.5378


 22.0264, 11.3217,
2.5354

 22.5465, 11.9088,
4.1057

 23.4171, 13.0095,
6.3705

 24.7336, 14.7964,
9.4178

 26.5483, 17.3586,
13.3126

 28.9060, 20.7717,
18.1133

■ 31.8464, 25.1024,
23.8726

■ 35.4056, 30.4106,
30.6392

■ 39.6164, 36.7512,
38.4586

■ 44.5097, 44.1750,
47.3734

Harmonies

Analogous

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



24.4963, 11.3220, 11.6897



22.0270, 11.3220, 2.5378



16.4371, 11.3220, 0.1563

Triad

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



22.0270, 11.3220, 2.5378



4.0719, 11.3220, 2.9505



10.9895, 11.3220, 70.5459

Complementary

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



22.0270, 11.3220, 2.5378



25.0248, 40.1692, 38.7991

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.



6.5703, 11.3220, 59.6923



22.0270, 11.3220, 2.5378



3.4518, 11.3220, 12.9885

Square

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



22.0270, 11.3220, 2.5378



6.2917, 11.3220, 0.2750



4.1916, 11.3220, 34.5235



16.9634, 11.3220, 57.8530

Rectangle

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



22.0270, 11.3220, 2.5378



12.3816, 11.3220, 0.0000



4.1916, 11.3220, 34.5235



9.2888, 11.3220, 69.4942

Sweetspot

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



22.0272, 11.3227, 2.5380



63.8029, 54.5774, 54.8583



23.3817, 10.9552, 50.7511



13.0749, 10.7922, 10.6105



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.



22.0272, 11.3227, 2.5380



39.8471, 20.4890, 4.2585



23.3978, 14.5254, 1.5716



10.1443, 10.1063, 10.8506



14.8422, 7.6266, 1.8151



0.6641, 0.3387, 0.1988

Inverse Universe

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



22.0272, 11.3227, 2.5380



39.8471, 20.4890, 4.2585



17.6596, 20.0955, 52.8169



10.1443, 10.1063, 10.8506



14.8422, 7.6266, 1.8151



0.6641, 0.3387, 0.1988

Previews

White Background



This preview shows how the XYZ color 22.0270, 11.3220, 2.5378 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 22.0270, 11.3220, 2.5378

Background



This preview shows how black text looks on a background with the XYZ color 22.0270, 11.3220, 2.5378.



This preview shows how white text looks on a background with the XYZ color 22.0270, 11.3220,

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

22.0270, 11.3220, 2.5378

Protanopia

11.0040, 11.9415, 5.2150

Deuteranopia

12.0891, 11.9027, 2.1505



Tritanopia

21.6863, 11.4773, 1.0723

Trichromacy



Original Color

22.0270, 11.3220, 2.5378

Protanomaly

12.7169, 9.0538, 3.7666

Deuteranomaly

13.9314, 9.4857, 1.9073

Tritanomaly

21.6719, 11.3423, 1.3949

Monochromacy



Original Color

22.0270, 11.3220, 2.5378

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.6297, 4.9413, 3.6836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0270, 11.3220, 2.5378 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, 0, 34)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 34)  
}
```

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, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 34) }
```

Border

The CSS property to change the border of an element to XYZ 22.0270, 11.3220, 2.5378 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, 0, 34) }
```


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

```
.border{ border-color:rgb(192, 0, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 0, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(192, 0, 34)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.0270, 11.3220, 2.5378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 0, 34) }
```

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

```
.background{ background-color: rgb(192, 0,  
34) }
```

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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