

Converting Colors

XYZ(20.4462, 10.5119, 2.2453)

Have a look what the booklet for
XYZ(20.4462, 10.5119, 2.2453)
contains.

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Color

**XYZ(20.4970, 10.5380,
2.2501)**

Conversions

Conversions Part 1

Format	Color
Hex	BA001F
RGB	186, 0, 31
RGB Percent	73%, 0%, 12%
CMY	0.2706, 0.9999, 0.8784
CMYK	0.00, 1.00, 0.83, 0.27
HSL	350°, 100%, 36%
HSV	350°, 100%, 73%
XYZ	20.4970, 10.5380, 2.2501
YIQ	59.1480, 100.9050, 49.0730

Conversions

Conversions Part 2

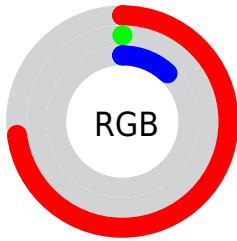
Format	Color
RYB	186, 0, 31
Decimal	12189727
CIELab	38.79, 63.67, 39.58
CIElCh	39, 74.971, 31.870
Yxy	10.5380, 0.6158, 0.3166
Android (android.graphics.Color)	4290379807 (0xFFBA001F)
YUV	59.1480, -13.8770, 111.2492
Hunter-Lab	32.4623, 55.8976, 18.6140

Details

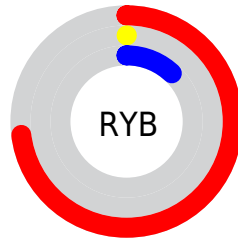
The XYZ color **20.4970, 10.5380, 2.2501** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **23.4782, 37.4853, 37.0223**, and the grayscale version is **4.1885, 4.4066, 4.7988**.

A 20% lighter version of the original color is **43.6713, 26.7307, 9.6953**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.4965, 10.5378, 2.2482**, and if you desaturate by 10%, it is **20.9794, 11.0937, 3.6727**.

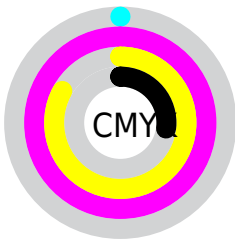
Distribution



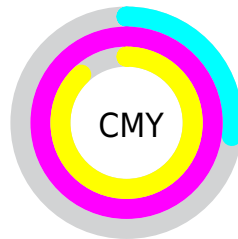
- Red (73%)
- Green (0%)
- Blue (12%)



- Red (73%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4970, 10.5380, 2.2501 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 20.4970, 10.5380, 2.2501 by changing the saturation by 10% instead.


 20.4970, 10.5380,
2.2501


 20.4970, 10.5380,
2.2501


247.3757,
194.4699, 126.1469


 12.8672, 5.7571,
0.7031


 43.7465, 26.8026,
9.7139

 7.4135, 2.6979,
0.0000


 60.0969, 39.0551,
16.4907


 3.7706, 0.9762,
0.0000

 80.0849, 54.5670,
25.8554

 1.5732, 0.0000,
0.0000

 104.0758, 73.7225,
38.2265


 0.3749, 0.0000,
0.0000


 132.4349, 96.9062,
54.0227


 0.0000, 0.0000,
0.0000


 165.5278,


124.5024, 73.6625


 203.7196,
156.8955, 97.5644


 20.4970, 10.5380,
2.2501


 20.4970, 10.5380,
2.2501


 20.4965, 10.5378,
2.2482

 20.9794, 11.0937,
3.6727

 21.7881, 12.1246,
5.7503

 23.0132, 13.7943,
8.5654

 24.7036, 16.1851,
12.1806

 26.9010, 19.3672,
16.6517

■ 29.6424, 23.4022,
22.0291

■ 32.9614, 28.3456,
28.3595

■ 36.8888, 34.2484,
35.6864

■ 41.4531, 41.1575,
44.0503

Harmonies

Analogous

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



22.8944, 10.5380, 10.6058



20.4970, 10.5380, 2.2501



15.2201, 10.5380, 0.0536

Triad

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



20.4970, 10.5380, 2.2501



3.7393, 10.5380, 2.8124



10.3305, 10.5380, 66.1610

Complementary

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



20.4970, 10.5380, 2.2501



23.4782, 37.4853, 37.0223

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.



6.1583, 10.5380, 56.3596



20.4970, 10.5380, 2.2501



3.1873, 10.5380, 12.3886

Square

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



20.4970, 10.5380, 2.2501



5.7767, 10.5380, 0.2246



3.9029, 10.5380, 32.7857



15.9437, 10.5380, 53.8234

Rectangle

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



20.4970, 10.5380, 2.2501



11.4266, 10.5380, 0.0000



3.9029, 10.5380, 32.7857



8.7267, 10.5380, 65.3283

Sweetspot

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



20.4972, 10.5387, 2.2502



59.4092, 50.8759, 50.7700



22.3817, 10.5149, 47.3039



12.4977, 10.3301, 10.0705



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.4972, 10.5387, 2.2502



37.0926, 19.0770, 3.7652



21.9735, 13.8867, 1.5232



9.0640, 9.0360, 9.6845



13.8087, 7.0973, 1.6137



0.5058, 0.2578, 0.1572

Inverse Universe

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



20.4972, 10.5387, 2.2502



37.0926, 19.0770, 3.7652



16.0723, 17.9633, 49.0741



9.0640, 9.0360, 9.6845



13.8087, 7.0973, 1.6137



0.5058, 0.2578, 0.1572

Previews

White Background



This preview shows how the XYZ color 20.4970, 10.5380, 2.2501 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 20.4970, 10.5380, 2.2501 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 20.4970, 10.5380, 2.2501

Background



This preview shows how black text looks on a background with the XYZ color 20.4970, 10.5380, 2.2501.



This preview shows how white text looks on a background with the XYZ color 20.4970, 10.5380,

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

20.4970, 10.5380, 2.2501

Protanopia

10.2873, 11.1788, 4.6331

Deuteranopia

11.2349, 11.0886, 1.8353

Trichromacy



Original Color

20.4970, 10.5380, 2.2501

Protanomaly

11.8834, 8.4745, 3.2949

Deuteranomaly

12.9000, 8.8096, 1.5928

Monochromacy



Original Color

20.4970, 10.5380, 2.2501

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

7.0732, 4.6112, 3.4230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4970, 10.5380, 2.2501 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(186, 0, 31)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 31)  
}
```

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(186, 0, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 31) }
```

Border

The CSS property to change the border of an element to XYZ 20.4970, 10.5380, 2.2501 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(186, 0, 31) }
```

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

```
.border{ border-color:rgb(186, 0, 31) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 31)  
}
```


Background

The CSS property to change the background color of an element to XYZ 20.4970, 10.5380, 2.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 31) }
```

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

```
.background{ background-color: rgb(186, 0,  
31) }
```

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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