

Converting Colors

XYZ(20.2969, 8.4383, 3.1166)

Have a look what the booklet for
XYZ(20.2969, 8.4383, 3.1166)
contains.

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Color

**XYZ(21.7283, 11.1444,
3.5906)**

Conversions

Conversions Part 1

Format	Color
Hex	BE002E
RGB	190, 0, 46
RGB Percent	75%, 0%, 18%
CMY	0.2549, 0.9999, 0.8196
CMYK	0.00, 1.00, 0.76, 0.25
HSL	345°, 100%, 37%
HSV	345°, 100%, 75%
XYZ	21.7283, 11.1444, 3.5906
YIQ	62.0540, 98.4740, 54.5860

Conversions

Conversions Part 2

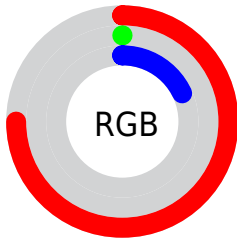
Format	Color
RYB	190, 0, 46
Decimal	12451886
CIELab	39.82, 65.11, 32.11
CIELCh	40, 72.599, 26.251
Yxy	11.1444, 0.5959, 0.3056
Android (android.graphics.Color)	4290641966 (0xFFBE002E)
YUV	62.0540, -7.9146, 112.2086
Hunter-Lab	33.3832, 57.7605, 16.9912

Details

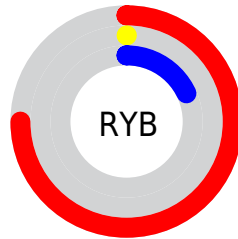
The XYZ color **21.7283, 11.1444, 3.5906** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **23.4506, 38.8415, 32.6614**, and the grayscale version is **4.5905, 4.8296, 5.2594**.

A 20% lighter version of the original color is **45.8981, 28.0301, 13.1165**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **21.7276, 11.1441, 3.5877**, and if you desaturate by 10%, it is **22.2948, 11.7446, 5.4228**.

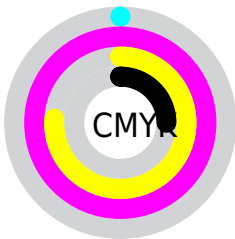
Distribution



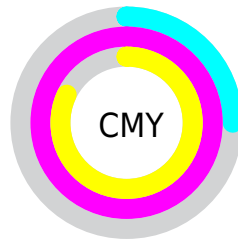
- Red (75%)
- Green (0%)
- Blue (18%)



- Red (75%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7283, 11.1444, 3.5906 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 21.7283, 11.1444, 3.5906 by changing the saturation by 10% instead.

■ 21.7283, 11.1444,
3.5906

■ 21.7283, 11.1444,
3.5906

253.7832,
198.6556, 143.5600

■ 13.7729, 6.1640,
1.4035

■ 45.7787, 27.9269,
13.0540

■ 8.0435, 2.9451,
0.1445

■ 62.6044, 40.4978,
21.1674

■ 4.1748, 1.1031,
0.0000

■ 83.1176, 56.3677,
32.0933

■ 1.8015, 0.0000,
0.0000

■ 107.6837, 75.9209,
46.2504

■ 0.5186, 0.0000,
0.0000

■ 136.6679, 99.5420,
64.0570

■ 0.0000, 0.0000,
0.0000

■ 170.4356,

127.6151, 85.9318

209.3523,
160.5249, 112.2933

■ 21.7283, 11.1444,
3.5906

■ 21.7283, 11.1444,
3.5906

■ 21.7276, 11.1441,
3.5877

■ 22.2948, 11.7446,
5.4228

■ 23.1926, 12.8410,
7.8779

■ 24.5119, 14.6017,
11.0236

■ 26.3009, 17.1126,
14.9101

■ 28.6013, 20.4464,
19.5829

■ 31.4499, 24.6673,
25.0831

■ 34.8798, 29.8330,
31.4494

■ 38.9218, 35.9964,
38.7175

■ 43.6042, 43.2064,
46.9213

Harmonies

Analogous

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



23.3293, 11.1444, 14.0199



21.7283, 11.1444, 3.5906



16.8618, 11.1444, 0.5800

Triad

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



21.7283, 11.1444, 3.5906



4.4531, 11.1444, 2.3791



9.9777, 11.1444, 65.3328

Complementary

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



21.7283, 11.1444, 3.5906



23.4506, 38.8415, 32.6614

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.



6.1088, 11.1444, 52.2791



21.7283, 11.1444, 3.5906



3.6165, 11.1444, 10.4259

Square

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



21.7283, 11.1444, 3.5906



6.8925, 11.1444, 0.2481



4.1104, 11.1444, 28.7820



15.4242, 11.1444, 57.1788

Rectangle

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



21.7283, 11.1444, 3.5906



13.0385, 11.1444, 0.0000



4.1104, 11.1444, 28.7820



8.4731, 11.1444, 63.1217

Sweetspot

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



21.7285, 11.1451, 3.5908



62.8676, 53.5466, 56.3697



20.5374, 9.5144, 49.4688



13.1984, 10.8416, 11.2610



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.



21.7285, 11.1451, 3.5908



39.2929, 20.1625, 6.0747



22.2729, 13.0226, 1.3408



9.6223, 9.5732, 10.3999



14.4742, 7.4208, 2.5247



0.5937, 0.3014, 0.2395

Inverse Universe

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



21.7285, 11.1451, 3.5908



39.2929, 20.1625, 6.0747



19.0435, 23.2156, 52.1921



9.6223, 9.5732, 10.3999



14.4742, 7.4208, 2.5247



0.5937, 0.3014, 0.2395

Previews

White Background



This preview shows how the XYZ color 21.7283, 11.1444, 3.5906 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 21.7283, 11.1444, 3.5906

Background



This preview shows how black text looks on a background with the XYZ color 21.7283, 11.1444, 3.5906.



This preview shows how white text looks on a background with the XYZ color 21.7283, 11.1444,

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

21.7283, 11.1444, 3.5906

Protanopia

10.9973, 11.7510, 7.4829

Deuteranopia

11.8762, 11.7687, 3.2358



Tritanopia

21.2795, 11.3087, 1.3779

Trichromacy



Original Color

21.7283, 11.1444, 3.5906

Protanomaly

12.5027, 8.8253, 5.4594

Deuteranomaly

13.6072, 9.2942, 2.9962

Tritanomaly

21.2826, 11.1477, 1.8942

Monochromacy



Original Color

21.7283, 11.1444, 3.5906

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.7460, 4.9878, 4.2959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7283, 11.1444, 3.5906 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(190, 0, 46)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 46)  
}
```

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(190, 0, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 46) }
```

Border

The CSS property to change the border of an element to XYZ 21.7283, 11.1444, 3.5906 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(190, 0, 46) }
```


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

```
.border{ border-color:rgb(190, 0, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(190, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7283, 11.1444, 3.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 46) }
```

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

```
.background{ background-color: rgb(190, 0,  
46) }
```

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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