

Converting Colors

XYZ(21.5497, 11.0356, 4.3373)

Have a look what the booklet for
XYZ(21.5497, 11.0356, 4.3373)
contains.

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Color

**XYZ(21.6289, 11.0759,
4.3660)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0035
RGB	189, 0, 53
RGB Percent	74%, 0%, 21%
CMY	0.2588, 0.9999, 0.7922
CMYK	0.00, 1.00, 0.72, 0.26
HSL	343°, 100%, 37%
HSV	343°, 100%, 74%
XYZ	21.6289, 11.0759, 4.3660
YIQ	62.5530, 95.6310, 56.5510

Conversions

Conversions Part 2

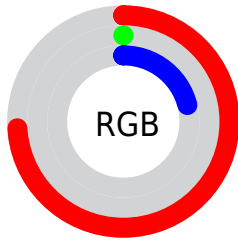
Format	Color
RYB	189, 0, 53
Decimal	12386357
CIELab	39.71, 65.14, 27.59
CIElCh	40, 70.742, 22.958
Yxy	11.0759, 0.5834, 0.2988
Android (android.graphics.Color)	4290576437 (0xFFBD0035)
YUV	62.5530, -4.7096, 110.8940
Hunter-Lab	33.2805, 57.7659, 15.5182

Details

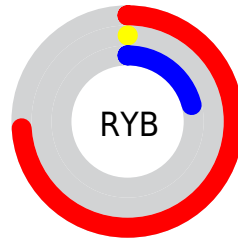
The XYZ color **21.6289, 11.0759, 4.3660** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.6445, 38.1738, 29.4810**, and the grayscale version is **4.6589, 4.9015, 5.3377**.

A 20% lighter version of the original color is **45.4903, 27.7828, 14.7694**, and **8.8128, 4.5362, 0.7277** is the 20% darker color. If you saturate the color by 10%, you get **21.6281, 11.0756, 4.3628**, and if you desaturate by 10%, it is **22.2192, 11.6829, 6.3318**.

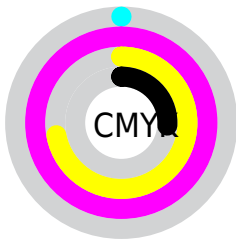
Distribution



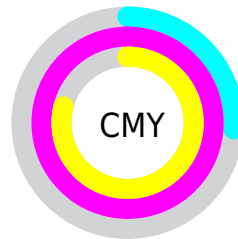
- Red (74%)
- Green (0%)
- Blue (21%)



- Red (74%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6289, 11.0759, 4.3660 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 21.6289, 11.0759, 4.3660 by changing the saturation by 10% instead.


 21.6289, 11.0759,
4.3660


 21.6289, 11.0759,
4.3660


253.2711,
198.1875, 152.2105


 13.6995, 6.1179,
1.8282


 45.6153, 27.8004,
14.8454


 7.9923, 2.9169,
0.4465

 62.4031, 40.3358,
23.6242


 4.1418, 1.0885,
0.0000

 82.8744, 56.1657,
35.3203

 1.7827, 0.0000,
0.0000

 107.3945, 75.6745,
50.3523

 0.5072, 0.0000,
0.0000

 136.3289, 99.2468,
69.1388

 0.0000, 0.0000,
0.0000

 170.0429,

127.2667, 92.0983

208.9019,
160.1189, 119.6494

■ 21.6289, 11.0759,
4.3660

■ 21.6289, 11.0759,
4.3660

■ 21.6281, 11.0756,
4.3628

■ 22.2192, 11.6829,
6.3318

■ 23.1296, 12.7768,
8.8763

■ 24.4481, 14.5238,
12.0593

■ 26.2211, 17.0079,
15.9242

■ 28.4887, 20.3007,
20.5102

■ 31.2863, 24.4651,
25.8533

■ 34.6457, 29.5578,
31.9868

■ 38.5965, 35.6305,
38.9421

■ 43.1660, 42.7312,
46.7487

Harmonies

Analogous

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



22.7245, 11.0759, 15.6304



21.6289, 11.0759, 4.3660



17.1858, 11.0759, 0.8387

Triad

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



21.6289, 11.0759, 4.3660



4.7102, 11.0759, 2.0764



9.4273, 11.0759, 62.5469

Complementary

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



21.6289, 11.0759, 4.3660



22.6445, 38.1738, 29.4810

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.



5.8583, 11.0759, 48.2836



21.6289, 11.0759, 4.3660



3.7300, 11.0759, 9.0791

Square

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



21.6289, 11.0759, 4.3660



7.2992, 11.0759, 0.2324



4.0739, 11.0759, 25.7256



14.5896, 11.0759, 56.9977

Rectangle

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



21.6289, 11.0759, 4.3660



13.4964, 11.0759, 0.0578



4.0739, 11.0759, 25.7256



8.0291, 11.0759, 59.6881

Sweetspot

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



21.6292, 11.0766, 4.3662



61.7257, 52.4418, 56.7056



19.2515, 8.8641, 48.8401



12.7059, 10.4134, 11.1671



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.



21.6292, 11.0766, 4.3662



38.6486, 19.8014, 7.3525



21.7786, 12.4033, 1.2473



9.6371, 9.5792, 10.4782



14.5808, 7.4635, 3.0859



0.6001, 0.3039, 0.2733

Inverse Universe

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



21.6292, 11.0766, 4.3662



38.6486, 19.8014, 7.3525



19.7847, 24.8722, 51.9019



9.6371, 9.5792, 10.4782



14.5808, 7.4635, 3.0859



0.6001, 0.3039, 0.2733

Previews

White Background



This preview shows how the XYZ color 21.6289, 11.0759, 4.3660 looks on a white background.

Color Contrast Check

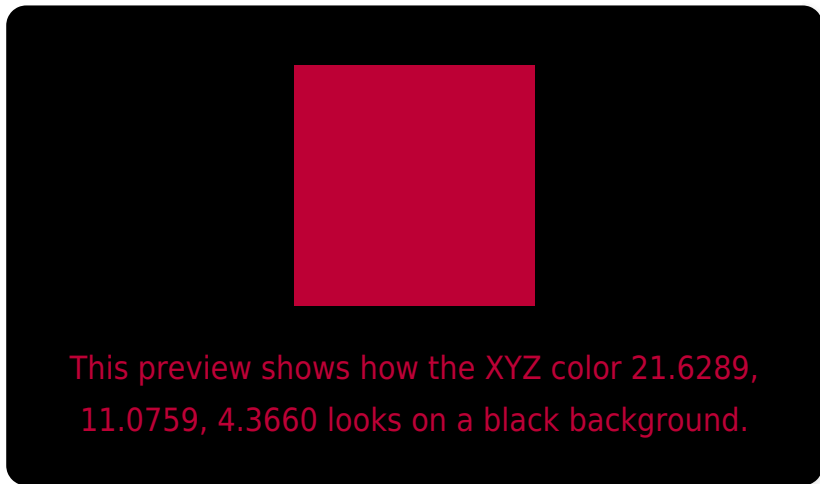
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6289, 11.0759, 4.3660

Background



This preview shows how black text looks on a background with the XYZ color 21.6289, 11.0759, 4.3660.



This preview shows how white text looks on a background with the XYZ color 21.6289, 11.0759,

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

21.6289, 11.0759, 4.3660

Protanopia

11.0736, 11.7550, 9.0824

Deuteranopia

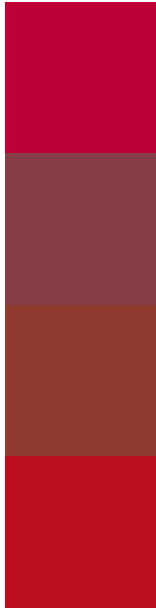
11.8709, 11.7506, 3.9279



Tritanopia

21.1195, 11.3026, 1.5587

Trichromacy



Original Color

21.6289, 11.0759, 4.3660

Protanomaly

12.6058, 8.8480, 6.8378

Deuteranomaly

13.5787, 9.2625, 3.7615

Tritanomaly

21.1178, 11.0942, 2.1907

Monochromacy



Original Color

21.6289, 11.0759, 4.3660

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.8549, 5.0846, 4.7051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6289, 11.0759, 4.3660 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(189, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 53)  
}
```

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(189, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 53) }
```

Border

The CSS property to change the border of an element to XYZ 21.6289, 11.0759, 4.3660 is called "border". The border property can be set on classes, ids or directly on the HTML element.

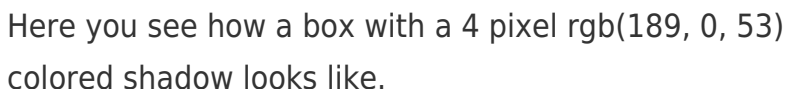
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 0, 53) }
```


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

```
.border{ border-color:rgb(189, 0, 53) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 0, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.6289, 11.0759, 4.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 53) }
```

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

```
.background{ background-color: rgb(189, 0,  
53) }
```

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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