

Converting Colors

XYZ(20.6771, 10.6143, 3.0092)

Have a look what the booklet for
XYZ(20.6771, 10.6143, 3.0092)
contains.

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Color

**XYZ(20.6327, 10.5923,
2.9645)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0028
RGB	186, 0, 40
RGB Percent	73%, 0%, 16%
CMY	0.2706, 0.9999, 0.8431
CMYK	0.00, 1.00, 0.78, 0.27
HSL	347°, 100%, 36%
HSV	347°, 100%, 73%
XYZ	20.6327, 10.5923, 2.9645
YIQ	60.1740, 98.0160, 51.8720

Conversions

Conversions Part 2

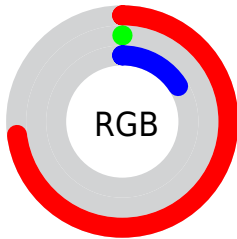
Format	Color
RYB	186, 0, 40
Decimal	12189736
CIELab	38.89, 63.92, 34.46
CIELCh	39, 72.623, 28.329
Yxy	10.5923, 0.6035, 0.3098
Android (android.graphics.Color)	4290379816 (0xFFBA0028)
YUV	60.1740, -9.9458, 110.3494
Hunter-Lab	32.5458, 56.2064, 17.3815

Details

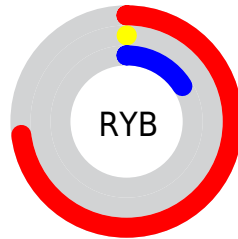
The XYZ color **20.6327, 10.5923, 2.9645** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.7502, 37.1942, 33.1881**, and the grayscale version is **4.3257, 4.5509, 4.9560**.

A 20% lighter version of the original color is **44.0813, 27.0145, 11.4853**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **20.6321, 10.5920, 2.9621**, and if you desaturate by 10%, it is **21.1564, 11.1645, 4.6046**.

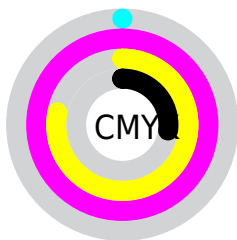
Distribution



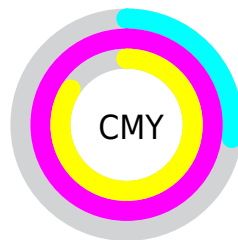
- Red (73%)
- Green (0%)
- Blue (16%)



- Red (73%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6327, 10.5923, 2.9645 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 20.6327, 10.5923, 2.9645 by changing the saturation by 10% instead.

■ 20.6327, 10.5923,
2.9645

■ 20.6327, 10.5923,
2.9645

248.0888,
194.8487, 135.9072

■ 12.9667, 5.7934,
1.0765

■ 43.9713, 26.9038,
11.5407

■ 7.4825, 2.7199,
0.0000

■ 60.3747, 39.1851,
19.0660

■ 3.8146, 0.9873,
0.0000

■ 80.4212, 54.7294,
29.3076

■ 1.5978, 0.0000,
0.0000

■ 104.4763, 73.9210,
42.6838

■ 0.3910, 0.0000,
0.0000

■ 132.9052, 97.1444,
59.6134

■ 0.0000, 0.0000,
0.0000

■ 166.0734,

124.7838, 80.5148

204.3461,
157.2238, 105.8065

20.6327, 10.5923,
2.9645

20.6327, 10.5923,
2.9645

20.6321, 10.5920,
2.9621

21.1564, 11.1645,
4.6046

21.9990, 12.2090,
6.8608

23.2484, 13.8884,
9.8035

24.9515, 16.2844,
13.4853

27.1483, 19.4662,
17.9531

■ 29.8744, 23.4952,
23.2502

■ 33.1622, 28.4261,
29.4162

■ 37.0413, 34.3096,
36.4884

■ 41.5390, 41.1921,
44.5017

Harmonies

Analogous

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



22.4699, 10.5923, 12.3248



20.6327, 10.5923, 2.9645



15.7623, 10.5923, 0.3660

Triad

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



20.6327, 10.5923, 2.9645



4.0588, 10.5923, 2.4548



9.7998, 10.5923, 63.6420

Complementary

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



20.6327, 10.5923, 2.9645



22.7502, 37.1942, 33.1881

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.



5.9422, 10.5923, 52.1062



20.6327, 10.5923, 2.9645



3.3529, 10.5923, 10.7763

Square

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



20.6327, 10.5923, 2.9645



6.2777, 10.5923, 0.2180



3.9131, 10.5923, 29.2797



15.1394, 10.5923, 54.2506

Rectangle

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



20.6327, 10.5923, 2.9645



12.0620, 10.5923, 0.0000



3.9131, 10.5923, 29.2797



8.3062, 10.5923, 61.9778

Sweetspot

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



20.6329, 10.5930, 2.9646



59.7764, 51.0228, 52.7040



20.6653, 9.6301, 47.2237



12.5845, 10.3648, 10.5277



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.



20.6329, 10.5930, 2.9646



37.3250, 19.1700, 4.9890



21.5103, 12.9603, 1.3688



9.0815, 9.0430, 9.7766



13.9039, 7.1353, 2.1150



0.5133, 0.2608, 0.1964

Inverse Universe

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



20.6329, 10.5930, 2.9646



37.3250, 19.1700, 4.9890



17.2932, 20.4052, 49.4812



9.0815, 9.0430, 9.7766



13.9039, 7.1353, 2.1150



0.5133, 0.2608, 0.1964

Previews

White Background



This preview shows how the XYZ color 20.6327, 10.5923, 2.9645 looks on a white background.

Color Contrast Check

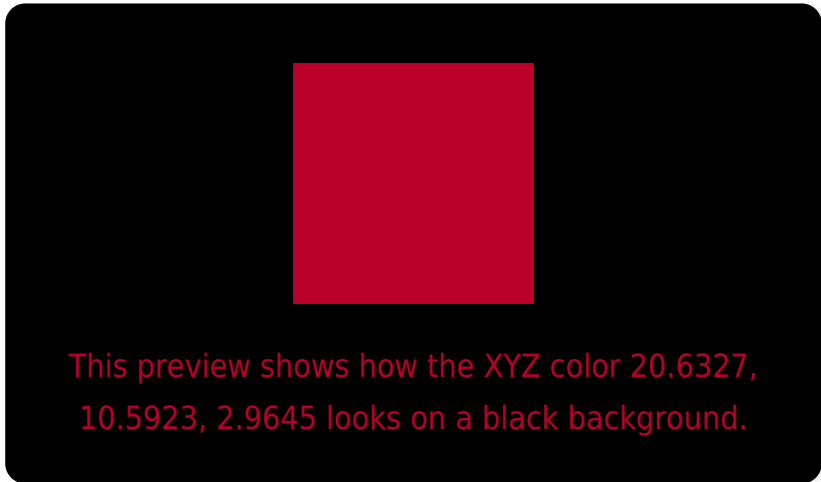
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6327, 10.5923, 2.9645

Background



This preview shows how black text looks on a background with the XYZ color 20.6327, 10.5923, 2.9645.



This preview shows how white text looks on a background with the XYZ color 20.6327, 10.5923,

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

20.6327, 10.5923, 2.9645

Protanopia

10.3245, 11.1671, 6.0262

Deuteranopia

11.3252, 11.2430, 2.6101



Tritanopia

20.4830, 10.8531, 1.1876

Trichromacy



Original Color

20.6327, 10.5923, 2.9645

Protanomaly

11.9313, 8.4753, 4.3752

Deuteranomaly

13.0515, 8.8702, 2.3907

Tritanomaly

20.4786, 10.7221, 1.5625

Monochromacy



Original Color

20.6327, 10.5923, 2.9645

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.2796, 4.7074, 3.8931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6327, 10.5923, 2.9645 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 20.6327, 10.5923, 2.9645 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, 40) }
```


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

```
.border{ border-color:rgb(186, 0, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.6327, 10.5923, 2.9645 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, 40) }
```

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

```
.background{ background-color: rgb(186, 0,  
40) }
```

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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