

Converting Colors

XYZ(19.7919, 5.9365, 9.4442)

Have a look what the booklet for
XYZ(19.7919, 5.9365, 9.4442)
contains.

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Color

**XYZ(22.5005, 11.3959,
10.2462)**

Conversions

Conversions Part 1

Format	Color
Hex	BC0058
RGB	188, 0, 88
RGB Percent	74%, 0%, 35%
CMY	0.2627, 0.9999, 0.6549
CMYK	0.00, 1.00, 0.53, 0.26
HSL	332°, 100%, 37%
HSV	332°, 100%, 74%
XYZ	22.5005, 11.3959, 10.2462
YIQ	66.2440, 83.8000, 67.2240

Conversions

Conversions Part 2

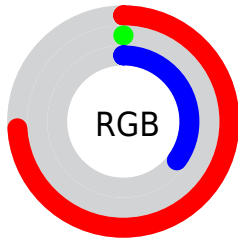
Format	Color
R_{YB}	188, 0, 88
Decimal	12320856
CIE _{Lab}	40.24, 66.89, 5.99
CIE _{LCh}	40, 67.162, 5.121
Yxy	11.3959, 0.5097, 0.2582
Android (android.graphics.Color)	4290510936 (0xFFBC0058)
YUV	66.2440, 10.7257, 106.7800
Hunter-Lab	33.7578, 59.8989, 5.6347

Details

The XYZ color **22.5005, 11.3959, 10.2462** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.2853, 36.8873, 18.1150**, and the grayscale version is **5.1935, 5.4640, 5.9503**.

A 20% lighter version of the original color is **47.1821, 28.4996, 27.0590**, and **9.3381, 4.7636, 2.7128** is the 20% darker color. If you saturate the color by 10%, you get **22.4998, 11.3957, 10.2428**, and if you desaturate by 10%, it is **23.1737, 12.0332, 12.6569**.

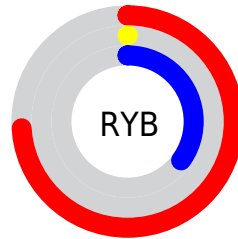
Distribution



Red (74%)

Green (0%)

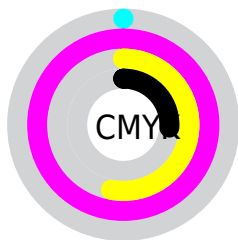
Blue (35%)



Red (74%)

Yellow (0%)

Blue (35%)

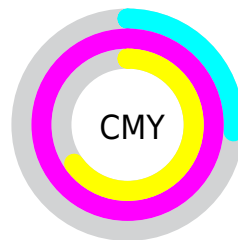


Cyan (0%)

Magenta (100%)

Yellow (53%)

Black (26%)



Cyan (26%)

Magenta (100%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5005, 11.3959, 10.2462 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 22.5005, 11.3959, 10.2462 by changing the saturation by 10% instead.


 22.5005, 11.3959,
10.2462


 22.5005, 11.3959,
10.2462


257.7325,
200.3639, 202.9686


 14.3438, 6.3338,
5.4548


 47.0446, 28.3900,
26.8726


 8.4435, 3.0491,
2.4531


 64.1626, 41.0907,
39.5446


 4.4342, 1.1574,
0.8152

 84.9985, 57.1064,
55.6806

 1.9506, 0.0265,
0.0000

 109.9175, 76.8216,
75.6990

 0.6060, 0.0000,
0.0000

 139.2851,
100.6205, 100.0185

 0.0000, 0.0000,
0.0000

 173.4665,

128.8876, 129.0576

212.8272,
162.0072, 163.2348

■ 22.5005, 11.3959,
10.2462

■ 22.5005, 11.3959,
10.2462

■ 22.4998, 11.3957,
10.2428

■ 23.1737, 12.0332,
12.6569

■ 24.1273, 13.1368,
15.4523

■ 25.4444, 14.8697,
18.6701

■ 27.1674, 17.3134,
22.3342

■ 29.3324, 20.5373,
26.4659

■ 31.9712, 24.6021,
31.0846

■ 35.1127, 29.5627,
36.2083

■ 38.7832, 35.4692,
41.8541

■ 43.0071, 42.3679,
48.0381

Harmonies

Analogous

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



21.2237, 11.3959, 26.7235



22.5005, 11.3959, 10.2462



19.9901, 11.3959, 2.7006

Triad

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



22.5005, 11.3959, 10.2462



6.4338, 11.3959, 1.0105



7.4682, 11.3959, 53.5757

Complementary

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



22.5005, 11.3959, 10.2462



20.2853, 36.8873, 18.1150

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.



5.0104, 11.3959, 33.9375



22.5005, 11.3959, 10.2462



4.5449, 11.3959, 4.4148

Square

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



22.5005, 11.3959, 10.2462



10.0476, 11.3959, 0.1737



4.1114, 11.3959, 14.8547



11.6551, 11.3959, 59.8798

Rectangle

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



22.5005, 11.3959, 10.2462



16.8385, 11.3959, 0.9988



4.1114, 11.3959, 14.8547



6.4558, 11.3959, 47.8554

Sweetspot

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



22.5008, 11.3966, 10.2464



63.3252, 53.0817, 65.1289



14.0229, 6.1810, 48.0309



13.0812, 10.5635, 13.1434



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.



22.5008, 11.3966, 10.2464



40.6561, 20.6044, 17.9234



20.7735, 10.7601, 0.9829



9.7110, 9.6087, 10.8670



15.3560, 7.7735, 7.1681



0.6346, 0.3177, 0.4549

Inverse Universe

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



22.5008, 11.3966, 10.2464



40.6561, 20.6044, 17.9234



26.3986, 38.2734, 53.5730



9.7110, 9.6087, 10.8670



15.3560, 7.7735, 7.1681



0.6346, 0.3177, 0.4549

Previews

White Background



This preview shows how the XYZ color 22.5005, 11.3959, 10.2462 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 22.5005, 11.3959, 10.2462 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 22.5005, 11.3959, 10.2462

Background



This preview shows how black text looks on a background with the XYZ color 22.5005, 11.3959, 10.2462.



This preview shows how white text looks on a background with the XYZ color 22.5005, 11.3959,

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

22.5005, 11.3959, 10.2462

Protanopia

12.1990, 12.0481, 22.1046

Deuteranopia

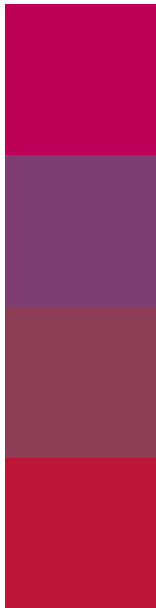
12.2607, 12.0953, 9.2778



Tritanopia

21.1541, 11.7625, 2.7456

Trichromacy



Original Color

22.5005, 11.3959, 10.2462

Protanomaly

13.1068, 8.8897, 16.6479

Deuteranomaly

13.9924, 9.4317, 9.2666

Tritanomaly

21.4463, 11.4050, 4.5611

Monochromacy



Original Color

22.5005, 11.3959, 10.2462

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.4944, 5.4653, 7.0858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5005, 11.3959, 10.2462 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(188, 0, 88)` looks like.

```
.text, #text, p{  
  color:rgb(188, 0, 88)  
}
```

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(188, 0, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 88) }
```

Border

The CSS property to change the border of an element to XYZ 22.5005, 11.3959, 10.2462 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(188, 0, 88) }
```


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

```
.border{ border-color:rgb(188, 0, 88) }
```

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

Here you see how a box with a 4 pixel rgb(188, 0, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 88);  
box-shadow:4px 4px 4px 4px rgb(188, 0, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.5005, 11.3959, 10.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 88) }
```

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

```
.background{ background-color: rgb(188, 0,  
88) }
```

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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