

Converting Colors

XYZ(20.2972, 10.8449, 10.7653)

Have a look what the booklet for
XYZ(20.2972, 10.8449, 10.7653)
contains.

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Color

**XYZ(20.3689, 10.8692,
10.6973)**

Conversions

Conversions Part 1

Format	Color
Hex	B11B5A
RGB	177, 27, 90
RGB Percent	69%, 11%, 35%
CMY	0.3059, 0.8941, 0.6471
CMYK	0.00, 0.85, 0.49, 0.31
HSL	335°, 74%, 40%
HSV	335°, 85%, 69%
XYZ	20.3689, 10.8692, 10.6973
YIQ	79.0320, 69.1770, 51.3930

Conversions

Conversions Part 2

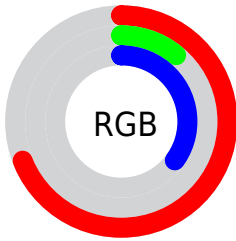
Format	Color
R_{YB}	177, 27, 90
Decimal	11606874
CIE _{Lab}	39.36, 60.59, 3.16
CIE _{LCh}	39, 60.677, 2.986
Yxy	10.8692, 0.4857, 0.2592
Android (android.graphics.Color)	4289796954 (0xFFB11B5A)
YUV	79.0320, 5.4072, 85.9179
Hunter-Lab	32.9685, 52.5878, 3.8401

Details

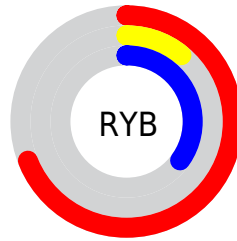
The XYZ color **20.3689, 10.8692, 10.6973** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **19.2126, 32.8927, 21.2601**, and the grayscale version is **7.4200, 7.8064, 8.5012**.

A 20% lighter version of the original color is **43.7346, 27.5528, 27.8241**, and **7.9449, 4.0410, 2.8439** is the 20% darker color. If you saturate the color by 10%, you get **19.6707, 10.1246, 8.4554**, and if you desaturate by 10%, it is **21.3722, 12.1275, 13.3390**.

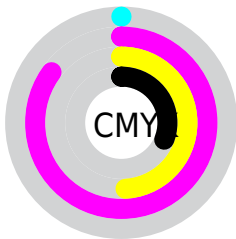
Distribution



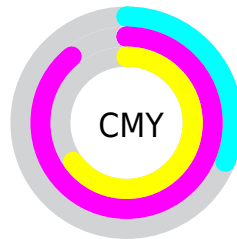
- Red (69%)
- Green (11%)
- Blue (35%)



- Red (69%)
- Yellow (11%)
- Blue (35%)



- Cyan (0%)
- Magenta (85%)
- Yellow (49%)
- Black (31%)





- Cyan (31%)
- Magenta (89%)
- Yellow (65%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3689, 10.8692, 10.6973 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 20.3689, 10.8692, 10.6973 by changing the saturation by 10% instead.


 20.3689, 10.8692,
10.6973


 20.3689, 10.8692,
10.6973

246.7009,
196.7680, 206.2412


 12.7733, 5.9789,
5.7521


 43.5341, 27.4180,
27.7271


 7.3485, 2.8323,
2.6286


 59.8343, 39.8454,
40.6487


 3.7293, 1.0448,
0.9072

 79.7668, 55.5540,
57.0663

 1.5501, 0.0000,
0.0000

 103.6970, 74.9281,
77.3983

 0.3596, 0.0000,
0.0000

 131.9901, 98.3521,
102.0632

 0.0000, 0.0000,
0.0000

 165.0116,

126.2105, 131.4796

203.1267,
158.8877, 166.0661

■ 20.3689, 10.8692,
10.6973

■ 20.3689, 10.8692,
10.6973

■ 19.6707, 10.1246,
8.4554

■ 21.3722, 12.1275,
13.3390

■ 19.3786, 9.8460,
7.4162

■ 22.7204, 13.9751,
16.4048

■ 24.4475, 16.4768,
19.9172

■ 26.5832, 19.6884,
23.8961

■ 29.1537, 23.6594,
28.3604

■ 32.1833, 28.4350,
33.3274

■ 35.6943, 34.0568,
38.8138

■ 39.7073, 40.5636,
44.8350

■ 44.2419, 47.9917,
51.4061

Harmonies

Analogous

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



19.0627, 10.8692, 25.3313



20.3689, 10.8692, 10.6973



18.4517, 10.8692, 3.3088

Triad

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



20.3689, 10.8692, 10.6973



6.6067, 10.8692, 1.2035



7.1488, 10.8692, 45.4812

Complementary

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



20.3689, 10.8692, 10.6973



19.2126, 32.8927, 21.2601

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.



5.0300, 10.8692, 28.8669



20.3689, 10.8692, 10.6973



4.7802, 10.8692, 4.2583

Square

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



20.3689, 10.8692, 10.6973



9.9257, 10.8692, 0.5080



4.2900, 10.8692, 13.0500



10.7469, 10.8692, 51.7123

Rectangle

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



20.3689, 10.8692, 10.6973



15.8386, 10.8692, 1.4128



4.2900, 10.8692, 13.0500



6.2757, 10.8692, 40.5536

Sweetspot

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



20.3692, 10.8698, 10.6975



57.2380, 50.2886, 59.0455



15.0110, 7.4040, 42.2329



11.9856, 10.2352, 12.1184



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.3692, 10.8698, 10.6975



34.6016, 17.5919, 12.7296



18.9914, 10.7503, 2.1119



8.6395, 8.5625, 9.5999



14.0695, 7.1453, 5.5258



0.4721, 0.2366, 0.3286

Inverse Universe

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



20.3692, 10.8698, 10.6975



34.6016, 17.5919, 12.7296



22.2071, 31.0453, 46.4168



8.6395, 8.5625, 9.5999



14.0695, 7.1453, 5.5258



0.4721, 0.2366, 0.3286

Previews

White Background



This preview shows how the XYZ color 20.3689, 10.8692, 10.6973 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 20.3689, 10.8692, 10.6973 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 20.3689, 10.8692, 10.6973

Background



This preview shows how black text looks on a background with the XYZ color 20.3689, 10.8692, 10.6973.



This preview shows how white text looks on a background with the XYZ color 20.3689, 10.8692,

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

20.3689, 10.8692, 10.6973

Protanopia

11.4266, 11.2664, 21.3110

Deuteranopia

11.3658, 11.2325, 9.7527



Tritanopia

18.9618, 10.9517, 3.4974

Trichromacy



Original Color

20.3689, 10.8692, 10.6973

Protanomaly

12.5800, 9.3001, 16.7548

Deuteranomaly

13.2626, 9.7117, 9.9796

Tritanomaly

19.4084, 10.8902, 5.4940

Monochromacy



Original Color

20.3689, 10.8692, 10.6973

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

10.2474, 7.5011, 9.0914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3689, 10.8692, 10.6973 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(177, 27, 90)` looks like.

```
.text, #text, p{  
    color:rgb(177, 27, 90)  
}
```

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(177, 27, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 27, 90) }
```

Border

The CSS property to change the border of an element to XYZ 20.3689, 10.8692, 10.6973 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(177, 27, 90) }
```


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

```
.border{ border-color:rgb(177, 27, 90) }
```

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

Here you see how a box with a 4 pixel rgb(177, 27, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 27, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 27, 90);  
box-shadow:4px 4px 4px 4px rgb(177, 27,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3689, 10.8692, 10.6973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 27, 90) }
```

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

```
.background{ background-color: rgb(177, 27,  
90) }
```

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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