

Converting Colors

XYZ(21.3862, 10.8979, 6.7422)

Have a look what the booklet for
XYZ(21.3862, 10.8979, 6.7422)
contains.

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Color

**XYZ(21.3552, 10.8813,
6.7691)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0046
RGB	186, 0, 70
RGB Percent	73%, 0%, 27%
CMY	0.2706, 0.9999, 0.7255
CMYK	0.00, 1.00, 0.62, 0.27
HSL	337°, 100%, 36%
HSV	337°, 100%, 73%
XYZ	21.3552, 10.8813, 6.7691
YIQ	63.5940, 88.3860, 61.2020

Conversions

Conversions Part 2

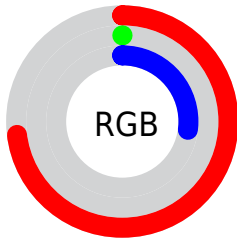
Format	Color
R_{YB}	186, 0, 70
Decimal	12189766
CIE Lab	39.38, 65.26, 16.25
CIE LCh	39, 67.253, 13.985
Yxy	10.8813, 0.5475, 0.2790
Android (android.graphics.Color)	4290379846 (0xFFBA0046)
YUV	63.5940, 3.1582, 107.3501
Hunter-Lab	32.9868, 57.8315, 10.9241

Details

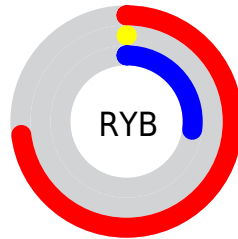
The XYZ color **21.3552, 10.8813, 6.7691** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **20.7135, 36.3796, 22.4632**, and the grayscale version is **4.8014, 5.0515, 5.5011**.

A 20% lighter version of the original color is **44.9987, 27.2991, 20.0371**, and **8.6670, 4.4438, 1.4995** is the 20% darker color. If you saturate the color by 10%, you get **21.3544, 10.8810, 6.7657**, and if you desaturate by 10%, it is **21.9842, 11.4956, 8.9637**.

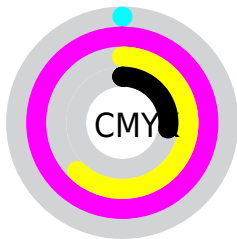
Distribution



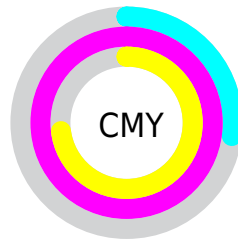
- Red (73%)
- Green (0%)
- Blue (27%)



- Red (73%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3552, 10.8813, 6.7691 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 21.3552, 10.8813, 6.7691 by changing the saturation by 10% instead.


 21.3552, 10.8813,
6.7691


 21.3552, 10.8813,
6.7691


251.8563,
196.8514, 175.2886


 13.4978, 5.9871,
3.2419


 45.1648, 27.4405,
20.0121


 7.8516, 2.8372,
1.2194


 61.8477, 39.8742,
30.5649


 4.0511, 1.0474,
0.0000

 82.2032, 55.5899,
44.2967

 1.7311, 0.0000,
0.0000

 106.5966, 74.9719,
61.6259

 0.4756, 0.0000,
0.0000

 135.3932, 98.4047,
82.9712

 0.0000, 0.0000,
0.0000

 168.9585,

126.2726, 108.7510

207.6578,
158.9600, 139.3840

■ 21.3552, 10.8813,
6.7691

■ 21.3552, 10.8813,
6.7691

■ 21.3544, 10.8810,
6.7657

■ 21.9842, 11.4956,
8.9637

■ 22.9033, 12.5707,
11.6227

■ 24.1956, 14.2672,
14.7910

■ 25.9036, 16.6651,
18.4992

■ 28.0638, 19.8323,
22.7745

■ 30.7084, 23.8286,
27.6422

■ 33.8666, 28.7077,
33.1256

■ 37.5650, 34.5189,
39.2470

■ 41.8286, 41.3077,
46.0271

Harmonies

Analogous

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



21.2255, 10.8813, 20.1840



21.3552, 10.8813, 6.7691



17.9933, 10.8813, 1.5795

Triad

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



21.3552, 10.8813, 6.7691



5.3819, 10.8813, 1.4214



8.1132, 10.8813, 55.8796

Complementary

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



21.3552, 10.8813, 6.7691



20.7135, 36.3796, 22.4632

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.



5.2415, 10.8813, 39.1253



21.3552, 10.8813, 6.7691



4.0100, 10.8813, 6.1962

Square

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



21.3552, 10.8813, 6.7691



8.3704, 10.8813, 0.1843



3.9676, 10.8813, 18.9864



12.6020, 10.8813, 56.5277

Rectangle

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



21.3552, 10.8813, 6.7691



14.6698, 10.8813, 0.5213



3.9676, 10.8813, 18.9864



6.9625, 10.8813, 51.5928

Sweetspot

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



21.3555, 10.8820, 6.7693



61.0676, 51.5393, 59.5035



15.8957, 7.1712, 47.0005



12.8928, 10.4882, 12.1510



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.



21.3555, 10.8820, 6.7693



38.5983, 19.6793, 11.6940



20.5315, 11.0026, 1.0425



9.1406, 9.0666, 10.0880



14.4005, 7.3339, 4.7297



0.5381, 0.2707, 0.3271

Inverse Universe

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



21.3555, 10.8820, 6.7693



38.5983, 19.6793, 11.6940



22.1931, 30.2051, 51.1146



9.1406, 9.0666, 10.0880



14.4005, 7.3339, 4.7297



0.5381, 0.2707, 0.3271

Previews

White Background



This preview shows how the XYZ color 21.3552, 10.8813, 6.7691 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 21.3552, 10.8813, 6.7691 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 21.3552, 10.8813, 6.7691

Background



This preview shows how black text looks on a background with the XYZ color 21.3552, 10.8813, 6.7691.



This preview shows how white text looks on a background with the XYZ color 21.3552, 10.8813,

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

21.3552, 10.8813, 6.7691

Protanopia

11.2098, 11.5766, 14.2141

Deuteranopia

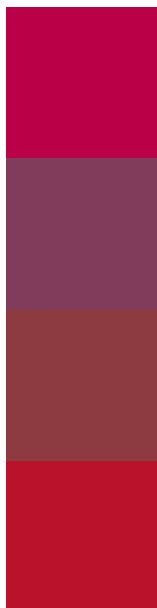
11.6808, 11.4748, 6.1566



Tritanopia

20.6093, 11.2194, 2.0566

Trichromacy



Original Color

21.3552, 10.8813, 6.7691

Protanomaly

12.3634, 8.5591, 10.6733

Deuteranomaly

13.4517, 9.0705, 6.0428

Tritanomaly

20.6418, 10.9141, 3.2092

Monochromacy



Original Color

21.3552, 10.8813, 6.7691

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.9606, 5.1674, 5.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3552, 10.8813, 6.7691 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 21.3552, 10.8813, 6.7691 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, 70) }
```


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

```
.border{ border-color:rgb(186, 0, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3552, 10.8813, 6.7691 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, 70) }
```

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

```
.background{ background-color: rgb(186, 0,  
70) }
```

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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