

# Converting Colors

XYZ(32.6230, 20.8076, 56.3320)

Have a look what the booklet for  
XYZ(32.6230, 20.8076, 56.3320)  
contains.

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# Color

**XYZ(32.6209, 20.8063,  
56.3295)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B458C7</a>
RGB	<a href="#">180, 88, 199</a>
RGB Percent	<a href="#">71%, 35%, 78%</a>
CMY	<a href="#">0.2941, 0.6549, 0.2196</a>
CMYK	<a href="#">0.10, 0.56, 0.00, 0.22</a>
HSL	<a href="#">290°, 50%, 56%</a>
HSV	<a href="#">290°, 56%, 78%</a>
XYZ	<a href="#">32.6209, 20.8063, 56.3295</a>
YIQ	<a href="#">128.1620, 19.2010, 54.0250</a>

# Conversions

## Conversions Part 2

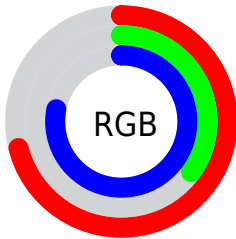
Format	Color
R <sub>Y</sub> B	180, 88, 199
Decimal	11819207
CIE Lab	52.74, 53.79, -42.04
CIE LCh	53, 68.272, 321.989
Yxy	20.8063, 0.2972, 0.1896
Android (android.graphics.Color)	4290009287 (0xFFB458C7)
YUV	128.1620, 34.9231, 45.4619
Hunter-Lab	45.6139, 47.8303, -41.2886

# Details

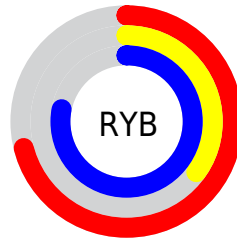
The XYZ color **32.6209, 20.8063, 56.3295** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **28.2490, 44.6777, 16.3683**, and the grayscale version is **20.4528, 21.5179, 23.4330**.

A 20% lighter version of the original color is **62.9829, 44.7431, 99.9245**, and **13.8901, 7.3864, 27.0792** is the 20% darker color. If you saturate the color by 10%, you get **30.4217, 17.5701, 55.8211**, and if you desaturate by 10%, it is **35.2869, 24.9459, 56.9883**.

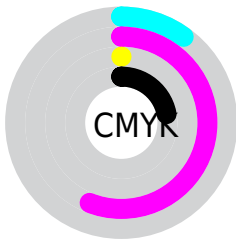
# Distribution



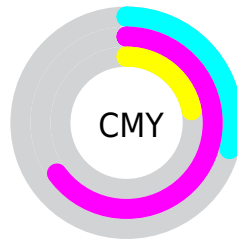
- Red (71%)
- Green (35%)
- Blue (78%)



- Red (71%)
- Yellow (35%)
- Blue (78%)



- Cyan (10%)
- Magenta (56%)
- Yellow (0%)
- Black (22%)




- Cyan (29%)
- Magenta (65%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6209, 20.8063, 56.3295 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 32.6209, 20.8063, 56.3295 by changing the saturation by 10% instead.





 32.6209, 20.8063,  
56.3295


 32.6209, 20.8063,  
56.3295


305.6333,  
256.2473, 428.3552

 21.9940, 12.9825,  
40.0614


 63.1419, 44.7649,  
100.9768


 13.9691, 7.4165,  
27.2723


 83.7667, 61.6686,  
130.1930

 8.1807, 3.7239,  
17.5436


 108.4548, 82.3676,  
164.5624

 4.2636, 1.5203,  
10.4568

 137.5717,  
107.2464, 204.5035

 1.8523, 0.3030,  
5.5933

171.4826,  
136.6893, 250.4347

 0.5489, 0.0000,  
2.5346

210.5529,

 0.0000, 0.0000,

171.0809, 302.7748

0.8584

255.1480,  
210.8054, 361.9421

■ 0.0000, 0.0000,  
0.0000

■ 32.6209, 20.8063,  
56.3295

■ 32.6209, 20.8063,  
56.3295

■ 30.4217, 17.5701,  
55.8211

■ 35.2869, 24.9459,  
56.9883

■ 28.6496, 15.1600,  
55.4493

■ 38.4506, 30.0523,  
57.8072

■ 27.2620, 13.4904,  
55.2002

■ 42.1427, 36.1863,  
58.7966

■ 26.2050, 12.4537,  
55.0558

■ 46.3910, 43.4030,  
59.9657

■ 25.8130, 12.1162,  
55.0113

■ 51.2210, 51.7534,  
61.3229

■ 56.6567, 61.2854,  
62.8763

■ 62.7208, 72.0441,  
64.6333

■ 69.4347, 84.0720,  
66.6010

■ 72.8349, 89.4419,  
67.4583

# Harmonies

## Analogous

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



25.3490, 20.8063, 81.8042



32.6209, 20.8063, 56.3295



36.6372, 20.8063, 28.5605

# Triad

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



32.6209, 20.8063, 56.3295



21.7427, 20.8063, 1.7955



9.6150, 20.8063, 40.7040

# Complementary

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



32.6209, 20.8063, 56.3295



28.2490, 44.6777, 16.3683

# 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.



9.0924, 20.8063, 17.6246



32.6209, 20.8063, 56.3295



15.0859, 20.8063, 2.2900

# Square

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



32.6209, 20.8063, 56.3295



29.4455, 20.8063, 3.6897



10.8418, 20.8063, 6.0860



12.4952, 20.8063, 69.6224



# Rectangle

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



32.6209, 20.8063, 56.3295



36.3891, 20.8063, 15.4559



10.8418, 20.8063, 6.0860



9.1909, 20.8063, 31.7997

# Sweetspot

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



32.6217, 20.8072, 56.3299



80.0687, 74.0119, 104.6734



19.7337, 16.9983, 56.2740



16.8026, 15.2691, 22.3116



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



32.6217, 20.8072, 56.3299



52.5195, 29.7133, 97.5749



33.7308, 21.7973, 37.4813



10.8981, 10.7212, 13.4125



16.6632, 7.8245, 35.3764



0.8374, 0.3954, 1.6773



# Inverse Universe

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



29.6974, 20.1840, 16.2415



47.4249, 28.8251, 18.8036



28.0332, 44.3559, 25.8732



10.7067, 10.6661, 11.4389



15.3541, 7.8912, 1.8084



0.7506, 0.3831, 0.2099



# Previews

## White Background



This preview shows how the XYZ color 32.6209, 20.8063, 56.3295 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

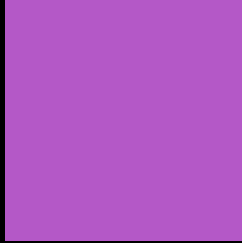
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.6209, 20.8063, 56.3295 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

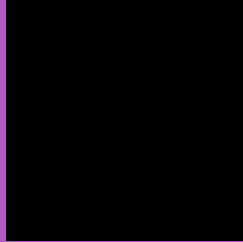
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.6209, 20.8063, 56.3295**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.6209, 20.8063, 56.3295.



This preview shows how white text looks on a background with the XYZ color 32.6209, 20.8063,



# 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

32.6209, 20.8063, 56.3295

### Protanopia

24.1793, 21.3132, 78.4408

### Deuteranopia

21.5914, 21.1072, 52.8053



## Tritanopia

25.1008, 20.6803, 19.8083

# Trichromacy



## Original Color

32.6209, 20.8063, 56.3295



## Protanomaly

24.9177, 19.6458, 69.4966



## Deuteranomaly

24.1019, 19.8884, 54.1983



## Tritanomaly

27.1537, 20.2982, 30.0905

# Monochromacy



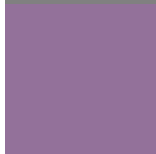
## Original Color

32.6209, 20.8063, 56.3295



## Achromatopsia

20.5175, 21.5861, 23.5072



## Achromatomaly

23.7705, 20.3464, 33.2463

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.6209, 20.8063, 56.3295 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(180, 88, 199)` looks like.

```
.text, #text, p{  
    color:rgb(180, 88, 199)  
}
```

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(180, 88, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 88, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 32.6209, 20.8063, 56.3295 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(180, 88, 199) }
```



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

```
.border{ border-color:rgb(180, 88, 199) }
```

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

Here you see how a box with a 4 pixel rgb(180, 88, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 88, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 88, 199);  
box-shadow:4px 4px 4px 4px rgb(180, 88,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.6209, 20.8063, 56.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 88, 199) }
```

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

```
.background{ background-color: rgb(180, 88,  
199) }
```

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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