

Converting Colors

XYZ(32.7849, 21.0180, 55.7363)

Have a look what the booklet for
XYZ(32.7849, 21.0180, 55.7363)
contains.

XYZ(32.8215, 21.0457, 55.7584)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.8215, 21.0457,
55.7584)**

Conversions

Conversions Part 1

Format	Color
Hex	B559C6
RGB	181, 89, 198
RGB Percent	71%, 35%, 78%
CMY	0.2902, 0.6510, 0.2235
CMYK	0.09, 0.55, 0.00, 0.22
HSL	291°, 49%, 56%
HSV	291°, 55%, 78%
XYZ	32.8215, 21.0457, 55.7584
YIQ	128.9340, 19.8430, 53.4030

Conversions

Conversions Part 2

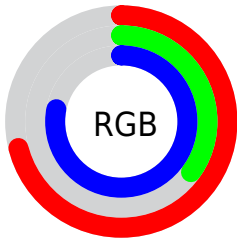
Format	Color
RYB	181, 89, 198
Decimal	11884998
CIELab	53.00, 53.38, -41.05
CIELCh	53, 67.332, 322.440
Yxy	21.0457, 0.2994, 0.1920
Android (android.graphics.Color)	4290075078 (0xFFB559C6)
YUV	128.9340, 34.0495, 45.6619
Hunter-Lab	45.8756, 47.4248, -39.9497

Details

The XYZ color **32.8215, 21.0457, 55.7584** 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 **27.9417, 44.1740, 16.5058**, and the grayscale version is **20.7237, 21.8029, 23.7434**.

A 20% lighter version of the original color is **63.4691, 45.2156, 99.9900**, and **14.0635, 7.5176, 27.0954** is the 20% darker color. If you saturate the color by 10%, you get **30.6741, 17.8134, 55.2480**, and if you desaturate by 10%, it is **35.4295, 25.1741, 56.4181**.

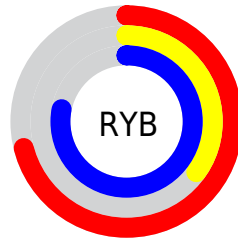
Distribution



Red (71%)

Green (35%)

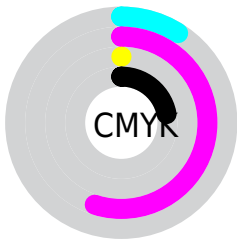
Blue (78%)



Red (71%)

Yellow (35%)

Blue (78%)

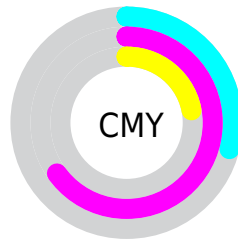


Cyan (9%)

Magenta (55%)

Yellow (0%)

Black (22%)



Cyan (29%)

Magenta (65%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8215, 21.0457, 55.7584 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 32.8215, 21.0457, 55.7584 by changing the saturation by 10% instead.

■ 32.8215, 21.0457,
55.7584

■ 32.8215, 21.0457,
55.7584

306.5239,
257.5213, 426.1431

■ 22.1483, 13.1574,
39.6066

■ 63.4533, 45.1636,
100.1335

■ 14.0831, 7.5370,
26.9205

■ 84.1426, 62.1620,
129.1939

■ 8.2606, 3.8002,
17.2816

■ 108.9014, 82.9658,
163.3941

■ 4.3154, 1.5624,
10.2714

■ 138.0949,
107.9596, 203.1528

■ 1.8820, 0.3321,
5.4713

172.0885,
137.5276, 248.8886

■ 0.5664, 0.0000,
2.4628

211.2477,

■ 0.0000, 0.0000,

172.0543, 301.0198

0.8204

255.9377,
211.9240, 359.9651

■ 0.0000, 0.0000,
0.0000

■ 32.8215, 21.0457,
55.7584

■ 32.8215, 21.0457,
55.7584

■ 30.6741, 17.8134,
55.2480

■ 35.4295, 25.1741,
56.4181

■ 28.9485, 15.4016,
54.8734

■ 38.5283, 30.2608,
57.2366

■ 27.6032, 13.7269,
54.6211

■ 42.1481, 36.3654,
58.2241

■ 26.5867, 12.6864,
54.4738

■ 46.3160, 43.5419,
59.3897

■ 26.1551, 12.3059,
54.4231

■ 51.0571, 51.8404,
60.7416

■ 56.3951, 61.3082,
62.2877

■ 62.3522, 71.9893,
64.0354

■ 68.9494, 83.9259,
65.9917

■ 72.1891, 89.1224,
66.8240

Harmonies

Analogous

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



25.6503, 21.0457, 80.9718



32.8215, 21.0457, 55.7584



36.7198, 21.0457, 28.4249

Triad

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



32.8215, 21.0457, 55.7584



21.8445, 21.0457, 1.9379



9.8905, 21.0457, 41.2072

Complementary

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



32.8215, 21.0457, 55.7584



27.9417, 44.1740, 16.5058

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.



9.3319, 21.0457, 18.1679



32.8215, 21.0457, 55.7584



15.2526, 21.0457, 2.4850

Square

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



32.8215, 21.0457, 55.7584



29.4807, 21.0457, 3.8403



11.0507, 21.0457, 6.4388



12.8118, 21.0457, 69.6672

Rectangle

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



32.8215, 21.0457, 55.7584



36.4194, 21.0457, 15.5139



11.0507, 21.0457, 6.4388



9.4533, 21.0457, 32.3603

Sweetspot

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



32.8223, 21.0466, 55.7589



80.3024, 74.1324, 104.6843



19.5887, 16.7521, 55.6274



16.8582, 15.2978, 22.3142



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.



32.8223, 21.0466, 55.7589



53.6682, 30.6053, 97.6865



33.3536, 21.7481, 36.4679



10.9144, 10.7296, 13.4133



17.0684, 8.0333, 35.3953



0.8532, 0.4036, 1.6781

Inverse Universe

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



29.4632, 20.1919, 15.9809



47.6016, 29.2190, 18.7382



28.0376, 44.0017, 26.5302



10.7002, 10.6635, 11.4045



15.3256, 7.8798, 1.6587



0.7476, 0.3819, 0.1942

Previews

White Background



This preview shows how the XYZ color 32.8215, 21.0457, 55.7584 looks on a white background.

Color Contrast Check

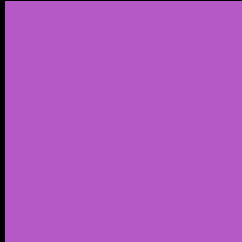
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8215, 21.0457, 55.7584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

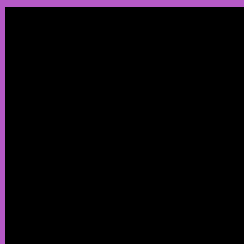
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8215, 21.0457, 55.7584

Background



This preview shows how black text looks on a background with the XYZ color 32.8215, 21.0457, 55.7584.



This preview shows how white text looks on a background with the XYZ color 32.8215, 21.0457,

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

32.8215, 21.0457, 55.7584

Protanopia

24.2675, 21.3749, 77.7097

Deuteranopia

21.7946, 21.2247, 52.2383



Tritanopia

25.4235, 21.0059, 19.8541

Trichromacy



Original Color

32.8215, 21.0457, 55.7584

Protanomaly

25.2788, 20.0082, 68.8593

Deuteranomaly

24.5448, 20.2945, 53.6625

Tritanomaly

27.4734, 20.6080, 30.1335

Monochromacy



Original Color

32.8215, 21.0457, 55.7584

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.0628, 20.6636, 33.2921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8215, 21.0457, 55.7584 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(181, 89, 198)` looks like.

```
.text, #text, p{  
    color:rgb(181, 89, 198)  
}
```

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(181, 89, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 89, 198) }
```

Border

The CSS property to change the border of an element to XYZ 32.8215, 21.0457, 55.7584 is called "border". The border property can be set on classes, ids or directly on the HTML element.

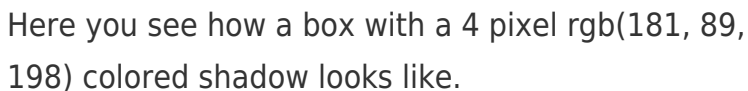
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 89, 198) }
```


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

```
.border{ border-color:rgb(181, 89, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 89, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 89, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 89, 198); box-shadow:4px 4px 4px 4px rgb(181, 89, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8215, 21.0457, 55.7584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 89, 198) }
```

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

```
.background{ background-color: rgb(181, 89,  
198) }
```

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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