

Converting Colors

XYZ(35.7613, 25.4289, 58.7320)

Have a look what the booklet for
XYZ(35.7613, 25.4289, 58.7320)
contains.

XYZ(35.7650, 25.4834, 58.9109)	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(35.7650, 25.4834,
58.9109)**

Conversions

Conversions Part 1

Format	Color
Hex	B76ECA
RGB	183, 110, 202
RGB Percent	72%, 43%, 79%
CMY	0.2823, 0.5686, 0.2078
CMYK	0.09, 0.46, 0.00, 0.21
HSL	288°, 46%, 61%
HSV	288°, 46%, 79%
XYZ	35.7650, 25.4834, 58.9109
YIQ	142.3150, 13.9760, 44.0880

Conversions

Conversions Part 2

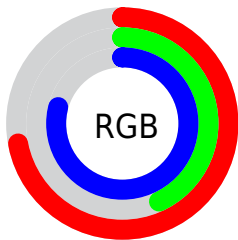
Format	Color
R _Y B	183, 110, 202
Decimal	12021450
CIE Lab	57.54, 43.98, -36.17
CIE LCh	58, 56.942, 320.563
Yxy	25.4834, 0.2976, 0.2121
Android (android.graphics.Color)	4290211530 (0xFFB76ECA)
YUV	142.3150, 29.4247, 35.6807
Hunter-Lab	50.4811, 38.1223, -33.8541

Details

The XYZ color **35.7650, 25.4834, 58.9109** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.9891, 48.0346, 22.2859**, and the grayscale version is **25.7199, 27.0593, 29.4676**.

A 20% lighter version of the original color is **67.0824, 51.9397, 101.0975**, and **15.7325, 9.8237, 28.6707** is the 20% darker color. If you saturate the color by 10%, you get **32.8515, 21.1070, 58.2201**, and if you desaturate by 10%, it is **39.2065, 30.8706, 59.7697**.

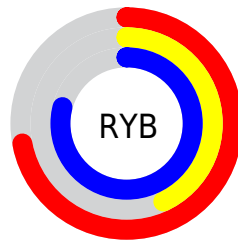
Distribution



Red (72%)

Green (43%)

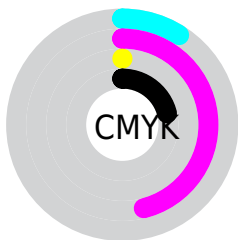
Blue (79%)



Red (72%)

Yellow (43%)

Blue (79%)

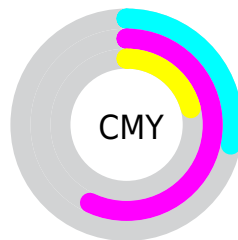


Cyan (9%)

Magenta (46%)

Yellow (0%)

Black (21%)



Cyan (28%)

Magenta (57%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7650, 25.4834, 58.9109 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 35.7650, 25.4834, 58.9109 by changing the saturation by 10% instead.

35.7650, 25.4834,
58.9109

35.7650, 25.4834,
58.9109

319.3814,
280.2368, 438.2643

24.4220, 16.4376,
42.1219

67.9954, 52.4404,
104.7760

15.7734, 9.8343,
28.8704

89.6136, 71.1203,
134.6891

9.4538, 5.2892,
18.7381

115.3876, 93.7804,
169.8141

5.0978, 2.4180,
11.3063

145.6826,
120.8050, 210.5693

2.3401, 0.8351,
6.1565

180.8642,
152.5785, 257.3734

0.8151, 0.0000,
2.8701

221.2976,

0.0000, 0.0000,

189.4854, 310.6449

1.0287

267.3483,
231.9101, 370.8024

■ 0.0000, 0.0000,
0.0000

■ 35.7650, 25.4834,
58.9109

■ 35.7650, 25.4834,
58.9109

■ 32.8515, 21.1070,
58.2201

■ 39.2065, 30.8706,
59.7697

■ 30.4287, 17.6697,
57.6843

■ 43.2044, 37.3273,
60.8053

■ 28.4589, 15.0952,
57.2912

■ 47.7884, 44.9119,
62.0277

■ 26.8970, 13.2941,
57.0259

■ 52.9852, 53.6771,
63.4456

■ 25.6878, 12.1561,
56.8700

■ 58.8196, 63.6726,
65.0674

■ 25.2147, 11.7671,
56.8198

■ 65.3153, 74.9451,
66.9009

■ 72.4945, 87.5390,
68.9534

■ 74.8507, 90.4405,
69.3892

■ 76.1018, 91.0854,
69.4478

Harmonies

Analogous

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



29.1009, 25.4834, 79.5251



35.7650, 25.4834, 58.9109



39.5133, 25.4834, 34.3389

Triad

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



35.7650, 25.4834, 58.9109



26.4251, 25.4834, 4.7951



13.9405, 25.4834, 43.0562

Complementary

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



35.7650, 25.4834, 58.9109



32.9891, 48.0346, 22.2859

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.



13.4922, 25.4834, 22.0579



35.7650, 25.4834, 58.9109



19.9200, 25.4834, 5.4009

Square

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



35.7650, 25.4834, 58.9109



33.4946, 25.4834, 7.7322



15.4744, 25.4834, 10.1310



16.8400, 25.4834, 67.7878

Rectangle

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



35.7650, 25.4834, 58.9109



39.4516, 25.4834, 21.4434



15.4744, 25.4834, 10.1310



13.5224, 25.4834, 35.1790

Sweetspot

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



35.7659, 25.4845, 58.9115



82.0392, 77.9281, 105.3254



25.0659, 23.5280, 59.0978



17.1712, 16.0301, 22.4390



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.



35.7659, 25.4845, 58.9115



55.5274, 35.5990, 98.5524



37.7637, 26.8414, 44.2311



11.4519, 11.2822, 14.1445



16.3007, 7.6109, 36.5662



0.8996, 0.4229, 1.8892

Inverse Universe

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



33.8963, 25.2944, 23.8658



52.3545, 35.4694, 30.3582



32.0005, 47.3362, 30.7687



11.3055, 11.2509, 12.1435



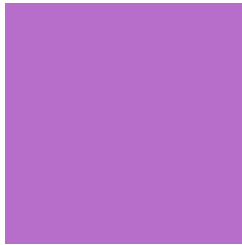
15.9656, 8.1968, 2.2715



0.8519, 0.4341, 0.2657

Previews

White Background



This preview shows how the XYZ color 35.7650, 25.4834, 58.9109 looks on a white background.

Color Contrast Check

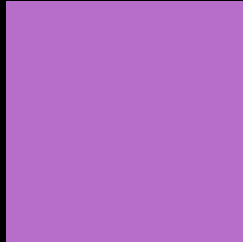
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.7650, 25.4834, 58.9109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

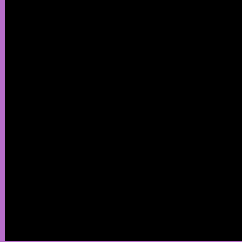
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.7650, 25.4834, 58.9109

Background



This preview shows how black text looks on a background with the XYZ color 35.7650, 25.4834, 58.9109.



This preview shows how white text looks on a background with the XYZ color 35.7650, 25.4834,

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

35.7650, 25.4834, 58.9109

Protanopia

27.9676, 25.9332, 74.0526

Deuteranopia

26.3598, 25.7044, 56.3955



Tritanopia

28.9404, 25.3007, 26.2799

Trichromacy



Original Color

35.7650, 25.4834, 58.9109



Protanomaly

29.6569, 25.1232, 68.2519



Deuteranomaly

28.8827, 24.9650, 57.3293



Tritanomaly

31.1059, 25.2833, 36.0416

Monochromacy



Original Color

35.7650, 25.4834, 58.9109



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

28.5881, 25.8137, 38.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7650, 25.4834, 58.9109 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(183, 110, 202)` looks like.

```
.text, #text, p{  
    color:rgb(183, 110, 202)  
}
```

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(183, 110, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 110, 202) }
```

Border

The CSS property to change the border of an element to XYZ 35.7650, 25.4834, 58.9109 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(183, 110, 202) }
```


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

```
.border{ border-color:rgb(183, 110, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 110, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 110, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 110, 202);  
box-shadow:4px 4px 4px 4px rgb(183, 110,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7650, 25.4834, 58.9109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 110, 202) }
```

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

```
.background{ background-color: rgb(183,  
110, 202) }
```

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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