

Converting Colors

XYZ(35.7636, 20.6333, 30.0258)

Have a look what the booklet for
XYZ(35.7636, 20.6333, 30.0258)
contains.

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Color

**XYZ(35.8509, 20.6704,
30.1172)**

Conversions

Conversions Part 1

Format	Color
Hex	D94194
RGB	217, 65, 148
RGB Percent	85%, 25%, 58%
CMY	0.1490, 0.7451, 0.4196
CMYK	0.00, 0.70, 0.32, 0.15
HSL	327°, 67%, 55%
HSV	327°, 70%, 85%
XYZ	35.8509, 20.6704, 30.1172
YIQ	119.9100, 63.9490, 58.0370

Conversions

Conversions Part 2

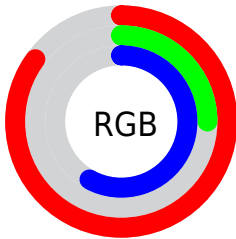
Format	Color
R_{YB}	217, 65, 148
Decimal	14238100
CIE _{Lab}	52.59, 65.63, -12.06
CIE _{LCh}	53, 66.729, 349.589
Yxy	20.6704, 0.4138, 0.2386
Android (android.graphics.Color)	4292428180 (0xFFD94194)
YUV	119.9100, 13.8484, 85.1479
Hunter-Lab	45.4647, 61.1918, -7.4502

Details

The XYZ color **35.8509, 20.6704, 30.1172** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **31.2972, 52.4715, 31.0359**, and the grayscale version is **17.7679, 18.6932, 20.3569**.

A 20% lighter version of the original color is **59.1083, 39.9396, 60.4709**, and **16.2582, 8.1322, 12.0220** is the 20% darker color. If you saturate the color by 10%, you get **34.0888, 18.3414, 25.8450**, and if you desaturate by 10%, it is **38.1588, 23.9846, 34.8991**.

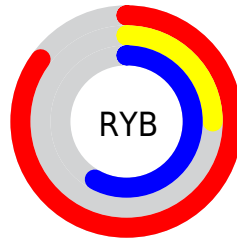
Distribution



Red (85%)

Green (25%)

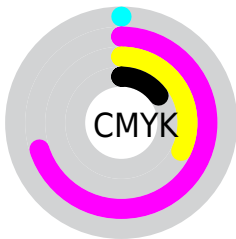
Blue (58%)



Red (85%)

Yellow (25%)

Blue (58%)

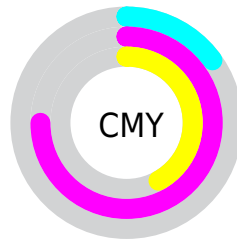


Cyan (0%)

Magenta (70%)

Yellow (32%)

Black (15%)



Cyan (15%)


Magenta (75%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8509, 20.6704, 30.1172 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 35.8509, 20.6704, 30.1172 by changing the saturation by 10% instead.


 35.8509, 20.6704,
30.1172


 35.8509, 20.6704,
30.1172


319.7510,
255.5216, 316.6747


 24.4886, 12.8833,
19.6748


 68.1272, 44.5383,
60.9107


 15.8232, 7.3482,
11.9771


 89.7720, 61.3880,
82.0988


 9.4892, 3.6808,
6.6057


 115.5751, 82.0272,
107.7059

 5.1213, 1.4967,
3.1421

 145.9017,
106.8405, 138.1504

 2.3541, 0.2864,
1.1676

 181.1172,
136.2122, 173.8511

 0.8221, 0.0000,
0.0000

221.5870,

 0.0000, 0.0000,

170.5266, 215.2263

0.0000

267.6765,
210.1683, 262.6946

■ 35.8509, 20.6704,
30.1172

■ 35.8509, 20.6704,
30.1172

■ 34.0888, 18.3414,
25.8450

■ 38.1588, 23.9846,
34.8991

■ 32.8108, 16.8771,
22.0534

■ 41.0614, 28.3794,
40.2144

■ 31.9145, 16.0714,
18.7121

■ 44.6037, 33.9425,
46.0858

■ 48.8257, 40.7515,
52.5339

■ 53.7642, 48.8774,
59.5781

■ 59.4530, 58.3859,
67.2366

■ 65.9238, 69.3382,
75.5267

■ 73.2065, 81.7917,
84.4647

■ 79.6120, 92.3664,
93.4941

Harmonies

Analogous

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



31.6168, 20.6704, 57.3423



35.8509, 20.6704, 30.1172



35.0343, 20.6704, 11.9967

Triad

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



35.8509, 20.6704, 30.1172



15.5152, 20.6704, 2.3125



12.2228, 20.6704, 65.7667

Complementary

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



35.8509, 20.6704, 30.1172



31.2972, 52.4715, 31.0359

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.



9.5894, 20.6704, 37.8500



35.8509, 20.6704, 30.1172



11.1582, 20.6704, 5.7409

Square

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



35.8509, 20.6704, 30.1172



22.1499, 20.6704, 1.9833



9.2518, 20.6704, 16.2999



17.3393, 20.6704, 84.6250

Rectangle

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



35.8509, 20.6704, 30.1172



31.7854, 20.6704, 5.9107



9.2518, 20.6704, 16.2999



11.0743, 20.6704, 56.5656

Sweetspot

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



35.8515, 20.6715, 30.1176



76.6117, 68.9954, 84.6514



24.1522, 13.8109, 67.0387



15.9581, 14.0409, 17.5006



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.



35.8515, 20.6715, 30.1176



48.1769, 25.2924, 34.5819



31.6958, 19.0092, 8.2340



13.3520, 13.1699, 15.1148



19.3733, 9.7503, 11.6116



1.2984, 0.6490, 0.9801

Inverse Universe

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



35.8515, 20.6715, 30.1176



48.1769, 25.2924, 34.5819



38.5518, 55.3733, 69.2383



13.3520, 13.1699, 15.1148



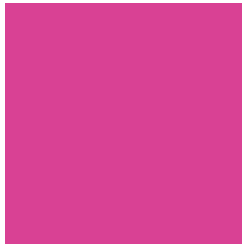
19.3733, 9.7503, 11.6116



1.2984, 0.6490, 0.9801

Previews

White Background



This preview shows how the XYZ color 35.8509, 20.6704, 30.1172 looks on a white background.

Color Contrast Check

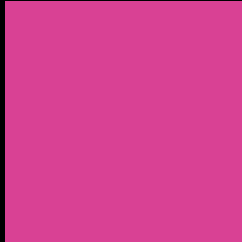
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8509, 20.6704, 30.1172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

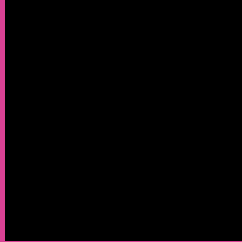
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8509, 20.6704, 30.1172

Background



This preview shows how black text looks on a background with the XYZ color 35.8509, 20.6704, 30.1172.



This preview shows how white text looks on a background with the XYZ color 35.8509, 20.6704,

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

35.8509, 20.6704, 30.1172

Protanopia

22.1019, 21.0325, 51.0389

Deuteranopia

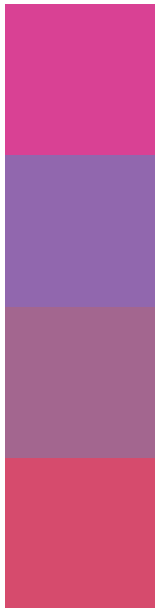
21.3323, 20.9649, 27.7332



Tritanopia

31.7735, 20.5538, 11.0967

Trichromacy



Original Color

35.8509, 20.6704, 30.1172

Protanomaly

24.1673, 18.7762, 42.3948

Deuteranomaly

24.8136, 19.2724, 28.3987

Tritanomaly

33.0079, 20.4324, 16.6721

Monochromacy



Original Color

35.8509, 20.6704, 30.1172

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

22.1040, 17.6946, 23.3695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8509, 20.6704, 30.1172 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(217, 65, 148)` looks like.

```
.text, #text, p{  
    color:rgb(217, 65, 148)  
}
```

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(217, 65, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 65, 148) }
```

Border

The CSS property to change the border of an element to XYZ 35.8509, 20.6704, 30.1172 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(217, 65, 148) }
```


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

```
.border{ border-color:rgb(217, 65, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 65, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 65, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 65, 148);  
box-shadow:4px 4px 4px 4px rgb(217, 65,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8509, 20.6704, 30.1172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 65, 148) }
```

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

```
.background{ background-color: rgb(217, 65,  
148) }
```

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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