

# Converting Colors

XYZ(51.9692, 35.5301, 59.9960)

Have a look what the booklet for  
XYZ(51.9692, 35.5301, 59.9960)  
contains.

<b>XYZ(51.9692, 35.5301, 59.9960)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.9692, 35.5301,  
59.9960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC78CA
RGB	236, 120, 202
RGB Percent	93%, 47%, 79%
CMY	0.0745, 0.5294, 0.2078
CMYK	0.00, 0.49, 0.14, 0.07
HSL	318°, 75%, 70%
HSV	318°, 49%, 93%
XYZ	51.9692, 35.5301, 59.9960
YIQ	164.0320, 42.8140, 50.0940

# Conversions

## Conversions Part 2

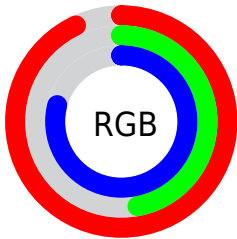
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 120, 202
Decimal	15497418
CIE <sub>Lab</sub>	66.16, 54.72, -22.31
CIE <sub>LCh</sub>	66, 59.096, 337.819
Yxy	35.5301, 0.3523, 0.2409
Android (android.graphics.Color)	4293687498 (0xFFEC78CA)
YUV	164.0320, 18.7182, 63.1159
Hunter-Lab	59.6071, 51.3149, -17.9518

# Details

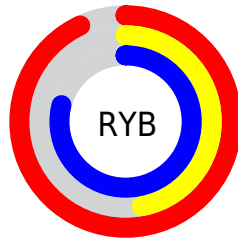
The XYZ color **51.9692, 35.5301, 59.9960** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **43.5756, 66.3182, 41.0787**, and the grayscale version is **35.2025, 37.0358, 40.3320**.

A 20% lighter version of the original color is **74.8153, 59.5307, 102.1551**, and **25.5957, 15.3837, 29.6373** is the 20% darker color. If you saturate the color by 10%, you get **48.6721, 30.2170, 54.9462**, and if you desaturate by 10%, it is **56.0046, 42.2599, 65.4738**.

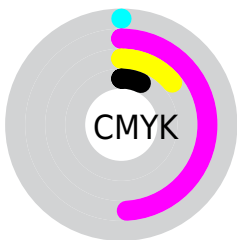
# Distribution



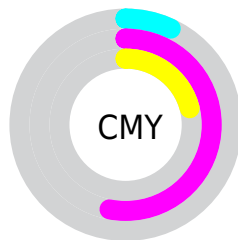
- Red (93%)
- Green (47%)
- Blue (79%)



- Red (93%)
- Yellow (47%)
- Blue (79%)



- Cyan (0%)
- Magenta (49%)
- Yellow (14%)
- Black (7%)




- Cyan (7%)
- Magenta (53%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9692, 35.5301, 59.9960 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 51.9692, 35.5301, 59.9960 by changing the saturation by 10% instead.





 51.9692, 35.5301,  
59.9960


 51.9692, 35.5301,  
59.9960


384.6436,  
326.9020, 442.3873


 37.2047, 24.0715,  
42.9901


 92.2603, 68.3062,  
106.3672

 25.5404, 15.3867,  
29.5460


 118.5176, 90.3924,  
136.5696

 16.6110, 9.0912,  
19.2451


 149.3366,  
116.7900, 172.0079

 10.0511, 4.8007,  
11.6689

185.0826,  
147.8834, 213.1007

 5.4954, 2.1308,  
6.3989

226.1209,  
184.0568, 260.2665

 2.5785, 0.6819,  
3.0164

272.8169,

 0.9350, 0.0000,

225.6948, 313.9238

1.1030

325.5361,  
273.1818, 374.4912

■ 0.0000, 0.0000,  
0.0000

■ 51.9692, 35.5301,  
59.9960

■ 51.9692, 35.5301,  
59.9960

■ 48.6721, 30.2170,  
54.9462

■ 56.0046, 42.2599,  
65.4738

■ 46.0571, 26.2106,  
50.3022

■ 60.8224, 50.4956,  
71.3955

■ 44.0652, 23.3933,  
46.0423


■ 66.4671, 60.3247,  
77.7786


■ 42.6253, 21.6233,  
42.1405

■ 72.9787, 71.8270,  
84.6386


■ 41.6274, 20.6818,  
38.5575

■ 80.3949, 85.0764,  
91.9902

 41.5512, 20.6165,  
38.2636

 86.6066, 95.8547,  
99.1327

 87.6742, 96.2818,  
104.7548

 88.4023, 96.5730,  
108.5889

# Harmonies

## Analogous

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



45.2336, 35.5301, 90.9241



51.9692, 35.5301, 59.9960



53.4410, 35.5301, 32.4660

# Triad

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



51.9692, 35.5301, 59.9960



31.5221, 35.5301, 7.8124



22.0983, 35.5301, 76.6171

# Complementary

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



51.9692, 35.5301, 59.9960



43.5756, 66.3182, 41.0787

# 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.



19.6376, 35.5301, 45.6542



51.9692, 35.5301, 59.9960



24.4284, 35.5301, 11.6584

# Square

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



51.9692, 35.5301, 59.9960



40.5635, 35.5301, 8.9411



20.4097, 35.5301, 23.1346



27.7813, 35.5301, 103.0724



# Rectangle

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



51.9692, 35.5301, 59.9960



51.0380, 35.5301, 20.2041



20.4097, 35.5301, 23.1346



20.9162, 35.5301, 65.9670

# Sweetspot

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



51.9703, 35.5318, 59.9967



82.2854, 77.2757, 95.9982



34.9703, 26.2505, 82.5812



17.2702, 15.9371, 20.1822



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.



51.9703, 35.5318, 59.9967



57.9912, 35.9699, 65.4489



46.4311, 33.3161, 30.8276



15.5157, 15.2341, 18.0011



22.9628, 11.3878, 21.4033



1.8448, 0.9109, 1.8999



# Inverse Universe

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



51.9703, 35.5318, 59.9967



57.9912, 35.9699, 65.4489



49.4837, 68.6814, 72.1905



15.5157, 15.2341, 18.0011



22.9628, 11.3878, 21.4033



1.8448, 0.9109, 1.8999



# Previews

## White Background



This preview shows how the XYZ color 51.9692, 35.5301, 59.9960 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

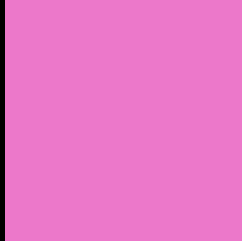
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.9692, 35.5301, 59.9960 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

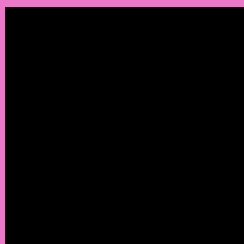
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.9692, 35.5301, 59.9960**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.9692, 35.5301, 59.9960.



This preview shows how white text looks on a background with the XYZ color 51.9692, 35.5301,



# 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

51.9692, 35.5301, 59.9960

### Protanopia

37.3032, 35.9691, 80.5779

### Deuteranopia

36.6879, 35.9128, 57.2228



## Tritanopia

45.9786, 35.5812, 30.4311

# Trichromacy



## Original Color

51.9692, 35.5301, 59.9960



## Protanomaly

40.4992, 34.4168, 72.2187



## Deuteranomaly

40.9053, 34.7151, 57.9708



## Tritanomaly

47.6987, 35.2745, 39.4166

# Monochromacy



## Original Color

51.9692, 35.5301, 59.9960



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

39.8610, 35.3413, 46.8401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9692, 35.5301, 59.9960 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(236, 120, 202)` looks like.

```
.text, #text, p{  
    color:rgb(236, 120, 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(236, 120, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 120, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9692, 35.5301, 59.9960 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(236, 120, 202) }
```



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

```
.border{ border-color:rgb(236, 120, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 120, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 120, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 120, 202);  
box-shadow:4px 4px 4px 4px rgb(236, 120,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9692, 35.5301, 59.9960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 120, 202) }
```

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

```
.background{ background-color: rgb(236,  
120, 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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