

Converting Colors

XYZ(51.9973, 35.1669, 61.3963)

Have a look what the booklet for
XYZ(51.9973, 35.1669, 61.3963)
contains.

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Color

**XYZ(51.9696, 35.1494,
61.1721)**

Conversions

Conversions Part 1

Format	Color
Hex	EC76CC
RGB	236, 118, 204
RGB Percent	93%, 46%, 80%
CMY	0.0745, 0.5372, 0.2000
CMYK	0.00, 0.50, 0.14, 0.07
HSL	316°, 76%, 69%
HSV	316°, 50%, 93%
XYZ	51.9696, 35.1494, 61.1721
YIQ	163.0860, 42.7220, 51.7620

Conversions

Conversions Part 2

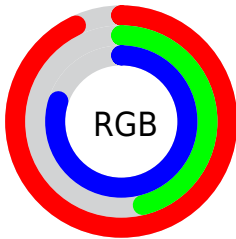
Format	Color
RYB	236, 118, 204
Decimal	15496908
CIELab	65.86, 55.99, -23.88
CIELCh	66, 60.874, 336.900
Yxy	35.1494, 0.3505, 0.2370
Android (android.graphics.Color)	4293686988 (0xFFEC76CC)
YUV	163.0860, 20.1706, 63.9456
Hunter-Lab	59.2869, 52.7170, -19.6744

Details

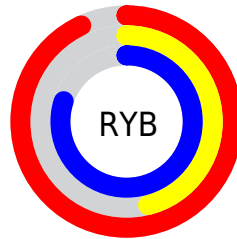
The XYZ color **51.9696, 35.1494, 61.1721** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **42.9734, 66.0456, 39.3401**, and the grayscale version is **34.7482, 36.5578, 39.8115**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **25.6426, 15.2220, 30.4408** is the 20% darker color. If you saturate the color by 10%, you get **48.7783, 29.9697, 56.3985**, and if you desaturate by 10%, it is **55.8898, 41.7353, 66.3450**.

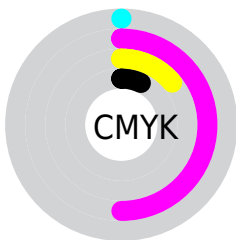
Distribution



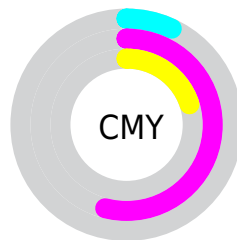
- Red (93%)
- Green (46%)
- Blue (80%)



- Red (93%)
- Yellow (46%)
- Blue (80%)



- Cyan (0%)
- Magenta (50%)
- Yellow (14%)
- Black (7%)





- Cyan (7%)
- Magenta (54%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9696, 35.1494, 61.1721 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 51.9696, 35.1494, 61.1721 by changing the saturation by 10% instead.


 51.9696, 35.1494,
61.1721


 51.9696, 35.1494,
61.1721


384.6451,
325.2273, 446.8288

 37.2050, 23.7780,
43.9326


 92.2609, 67.7171,
108.0880

 25.5407, 15.1690,
30.2807


 118.5183, 89.6823,
138.6016

 16.6112, 8.9381,
19.7979

 149.3374,
115.9474, 174.3769

 10.0513, 4.7008,
12.0656

185.0835,
146.8970, 215.8325

 5.4955, 2.0728,
6.6653

226.1220,
182.9153, 263.3869

 2.5785, 0.6493,
3.1784

272.8181,

 0.9350, 0.0000,

224.3869, 317.4588

1.1864

325.5374,
271.6961, 378.4665

■ 0.0000, 0.0000,
0.0000

■ 51.9696, 35.1494,
61.1721

■ 51.9696, 35.1494,
61.1721

■ 48.7783, 29.9697,
56.3985

■ 55.8898, 41.7353,
66.3450

■ 46.2593, 26.0853,
52.0024

■ 60.5834, 49.8173,
71.9329

■ 44.3529, 23.3769,
47.9626


■ 66.0949, 59.4837,
77.9527


■ 42.9870, 21.7006,
44.2528


■ 72.4648, 70.8145,
84.4196


■ 42.0387, 20.8117,
40.8304

■ 79.7305, 83.8842,
91.3478

 42.0385, 20.8115,
40.8296

 86.4400, 95.7881,
98.2551

 87.4206, 96.1803,
103.4188

 88.4024, 96.5730,
108.5889

Harmonies

Analogous

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



44.9024, 35.1494, 93.0978



51.9696, 35.1494, 61.1721



53.6811, 35.1494, 32.6256

Triad

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



51.9696, 35.1494, 61.1721



31.3740, 35.1494, 7.1565



21.4015, 35.1494, 76.3672

Complementary

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



51.9696, 35.1494, 61.1721



42.9734, 66.0456, 39.3401

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.



19.0153, 35.1494, 44.5344



51.9696, 35.1494, 61.1721



24.0652, 35.1494, 10.7601

Square

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



51.9696, 35.1494, 61.1721



40.6615, 35.1494, 8.4036



19.8947, 35.1494, 21.9460



27.0737, 35.1494, 104.2780

Rectangle

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



51.9696, 35.1494, 61.1721



51.3217, 35.1494, 19.9552



19.8947, 35.1494, 21.9460



20.2396, 35.1494, 65.3315

Sweetspot

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



51.9707, 35.1511, 61.1728



82.4129, 77.3267, 96.6695



34.1003, 25.4486, 82.4723



17.3011, 15.9495, 20.3447



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.



51.9707, 35.1511, 61.1728



58.0660, 35.5926, 67.0978



46.2240, 32.8524, 30.9111



15.5304, 15.2400, 18.0781



23.2291, 11.4943, 22.8058



1.8639, 0.9185, 2.0009

Inverse Universe

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



51.9707, 35.1511, 61.1728



58.0660, 35.5926, 67.0978



48.9107, 68.4206, 70.6060



15.5304, 15.2400, 18.0781



23.2291, 11.4943, 22.8058



1.8639, 0.9185, 2.0009

Previews

White Background



This preview shows how the XYZ color 51.9696, 35.1494, 61.1721 looks on a white background.

Color Contrast Check

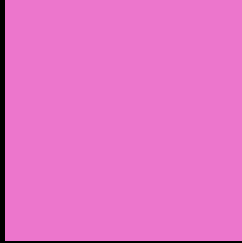
Large Text (above 18pt) WCAG AA × Fail

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 51.9696, 35.1494, 61.1721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

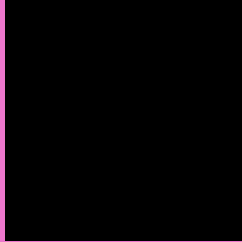
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.9696, 35.1494, 61.1721

Background



This preview shows how black text looks on a background with the XYZ color 51.9696, 35.1494, 61.1721.

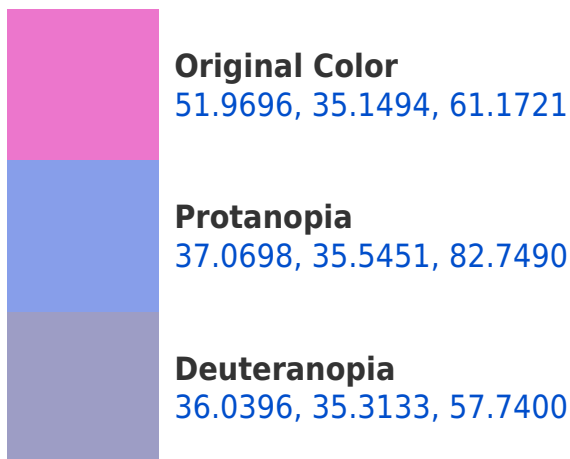


This preview shows how white text looks on a background with the XYZ color 51.9696, 35.1494,

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





Tritanopia

45.3721, 35.0836, 29.5797

Trichromacy



Original Color

51.9696, 35.1494, 61.1721



Protanomaly

40.1550, 33.7433, 74.2087



Deuteranomaly

40.4975, 34.2542, 59.1208



Tritanomaly

47.5689, 35.0149, 39.3734

Monochromacy



Original Color

51.9696, 35.1494, 61.1721



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

39.7048, 35.0289, 46.7881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9696, 35.1494, 61.1721 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, 118, 204)` looks like.

```
.text, #text, p{  
    color:rgb(236, 118, 204)  
}
```

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, 118, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 118, 204) }
```

Border

The CSS property to change the border of an element to XYZ 51.9696, 35.1494, 61.1721 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, 118, 204) }
```


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

```
.border{ border-color:rgb(236, 118, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 118, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 118, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 118, 204);  
box-shadow:4px 4px 4px 4px rgb(236, 118,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9696, 35.1494, 61.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 118, 204) }
```

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

```
.background{ background-color: rgb(236,  
118, 204) }
```

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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