

Converting Colors

XYZ(98.7405, 56.6813, 61.7163)

Have a look what the booklet for
XYZ(98.7405, 56.6813, 61.7163)
contains.

XYZ(56.6520, 35.0270, 59.6521)	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(56.6520, 35.0270,
59.6521)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66CA
RGB	255, 102, 202
RGB Percent	100%, 40%, 79%
CMY	0.0000, 0.6000, 0.2078
CMYK	0.00, 0.60, 0.21, 0.00
HSL	321°, 100%, 70%
HSV	321°, 60%, 100%
XYZ	56.6520, 35.0270, 59.6521
YIQ	159.1470, 59.0880, 63.5360

Conversions

Conversions Part 2

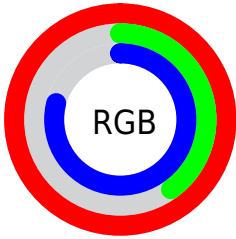
Format	Color
R_{YB}	255, 102, 202
Decimal	16737994
CIE _{Lab}	65.77, 68.33, -22.67
CIE _{LCh}	66, 71.993, 341.647
Yxy	35.0270, 0.3744, 0.2315
Android (android.graphics.Color)	4294928074 (0xFFFF66CA)
YUV	159.1470, 21.1265, 84.0631
Hunter-Lab	59.1836, 67.2932, -18.3308

Details

The XYZ color **56.6520, 35.0270, 59.6521** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.1575, 76.7121, 43.3351**, and the grayscale version is **32.9108, 34.6247, 37.7063**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **28.5441, 15.1264, 29.4322** is the 20% darker color. If you saturate the color by 10%, you get **53.5039, 30.3569, 53.5892**, and if you desaturate by 10%, it is **60.6323, 41.2652, 66.2885**.

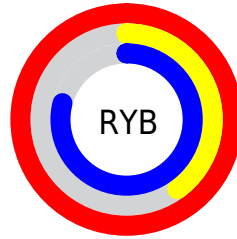
Distribution



Red (100%)

Green (40%)

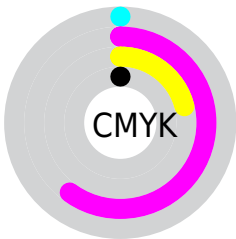
Blue (79%)



Red (100%)

Yellow (40%)

Blue (79%)

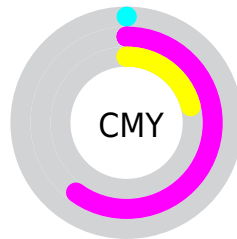


Cyan (0%)

Magenta (60%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6520, 35.0270, 59.6521 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 56.6520, 35.0270, 59.6521 by changing the saturation by 10% instead.


 56.6520, 35.0270,
59.6521

 56.6520, 35.0270,
59.6521

402.1793,
324.6875, 441.0832


 40.9650, 23.6837,
42.7148

 99.0915, 67.5276,
105.8633


 28.4793, 15.0991,
29.3317


 126.5747, 89.4537,
135.9742

 18.8295, 8.8890,
19.0841


 158.7207,
115.6761, 171.3135

 11.6504, 4.6688,
11.5537

 195.8947,
146.5793, 212.2996

 6.5766, 2.0543,
6.3217

238.4623,
182.5476, 259.3511

 3.2427, 0.6387,
2.9697

286.7887,

 1.2834, 0.0000,

223.9655, 312.8865

1.0792

341.2392,
271.2173, 373.3243

■ 0.1707, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6520, 35.0270,
59.6521

■ 56.6520, 35.0270,
59.6521

■ 53.5039, 30.3569,
53.5892

■ 60.6323, 41.2652,
66.2885

■ 51.1109, 27.1031,
48.0683

■ 65.5069, 49.1949,
73.5228

■ 49.3856, 25.0920,
43.0554

■ 71.3351, 58.9328,
81.3799

■ 48.1843, 24.0379,
38.4976

■ 78.1699, 70.5837,
89.8820

■ 48.1839, 24.0376,
38.4962

■ 86.0607, 84.2445,
99.0499

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



48.7729, 35.0270, 100.5775



56.6520, 35.0270, 59.6521



57.5369, 35.0270, 27.5174

Triad

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



56.6520, 35.0270, 59.6521



29.3411, 35.0270, 4.7632



20.2559, 35.0270, 91.6317

Complementary

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



56.6520, 35.0270, 59.6521



47.1575, 76.7121, 43.3351

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.



17.0419, 35.0270, 51.1914



56.6520, 35.0270, 59.6521



21.4919, 35.0270, 9.0197

Square

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



56.6520, 35.0270, 59.6521



40.1378, 35.0270, 5.2190



17.4402, 35.0270, 22.5410



27.2727, 35.0270, 124.8139

Rectangle

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



56.6520, 35.0270, 59.6521



53.8545, 35.0270, 14.9629



17.4402, 35.0270, 22.5410



18.7697, 35.0270, 77.7413

Sweetspot

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



56.6529, 35.0287, 59.6528



79.6597, 73.1479, 91.6587



35.9401, 23.4972, 97.2489



16.5888, 14.8626, 19.0664



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.



56.6529, 35.0287, 59.6528



52.9665, 29.5966, 52.4408



49.8561, 32.3099, 23.8610



18.5097, 18.1872, 21.3011



25.2503, 12.5894, 20.5003



2.5101, 1.2464, 2.2675

Inverse Universe

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



56.6529, 35.0287, 59.6528



52.9665, 29.5966, 52.4408



55.4534, 80.0305, 87.0210



18.5097, 18.1872, 21.3011



25.2503, 12.5894, 20.5003



2.5101, 1.2464, 2.2675

Previews

White Background



This preview shows how the XYZ color 56.6520, 35.0270, 59.6521 looks on a white background.

Color Contrast Check

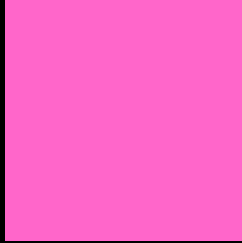
Large Text (above 18pt) WCAG AA × Fail

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 56.6520, 35.0270, 59.6521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

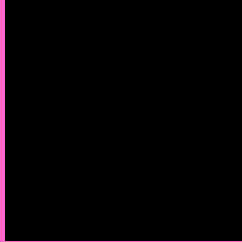
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.6520, 35.0270, 59.6521

Background



This preview shows how black text looks on a background with the XYZ color 56.6520, 35.0270, 59.6521.



This preview shows how white text looks on a background with the XYZ color 56.6520, 35.0270,

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

56.6520, 35.0270, 59.6521

Protanopia

37.5920, 35.3914, 90.4379

Deuteranopia

35.9807, 35.3351, 55.3761



Tritanopia

49.3242, 34.9479, 24.5680

Trichromacy



Original Color

56.6520, 35.0270, 59.6521



Protanomaly

40.7677, 32.6624, 78.2845



Deuteranomaly

41.1576, 33.3462, 56.4918



Tritanomaly

51.6052, 34.6860, 34.9855

Monochromacy



Original Color

56.6520, 35.0270, 59.6521



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

39.0745, 32.7414, 44.8177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6520, 35.0270, 59.6521 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(255, 102, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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(255, 102, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 202) }
```

Border

The CSS property to change the border of an element to XYZ 56.6520, 35.0270, 59.6521 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(255, 102, 202) }
```


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

```
.border{ border-color:rgb(255, 102, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6520, 35.0270, 59.6521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 202) }
```

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

```
.background{ background-color: rgb(255,  
102, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor