

Converting Colors

XYZ(55.4331, 34.9667, 51.9157)

Have a look what the booklet for
XYZ(55.4331, 34.9667, 51.9157)
contains.

XYZ(55.4769, 35.0373, 51.9830)	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(55.4769, 35.0373,
51.9830)**

Conversions

Conversions Part 1

Format	Color
Hex	FF69BD
RGB	255, 105, 189
RGB Percent	100%, 41%, 74%
CMY	0.0000, 0.5882, 0.2588
CMYK	0.00, 0.59, 0.26, 0.00
HSL	326°, 100%, 71%
HSV	326°, 59%, 100%
XYZ	55.4769, 35.0373, 51.9830
YIQ	159.4260, 62.4360, 57.9240

Conversions

Conversions Part 2

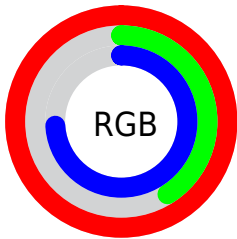
Format	Color
R _Y B	255, 105, 189
Decimal	16738749
CIE _{Lab}	65.78, 65.37, -15.32
CIE _{LCh}	66, 67.138, 346.812
Yxy	35.0373, 0.3893, 0.2459
Android (android.graphics.Color)	4294928829 (0xFFFF69BD)
YUV	159.4260, 14.5800, 83.8184
Hunter-Lab	59.1923, 63.7093, -10.6342

Details

The XYZ color **55.4769, 35.0373, 51.9830** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.9381, 77.4643, 50.9047**, and the grayscale version is **33.0663, 34.7883, 37.8845**.

A 20% lighter version of the original color is **70.6418, 53.6932, 93.0268**, and **27.8503, 15.1810, 24.7549** is the 20% darker color. If you saturate the color by 10%, you get **52.0866, 30.1311, 45.0744**, and if you desaturate by 10%, it is **59.7416, 41.5413, 59.6487**.

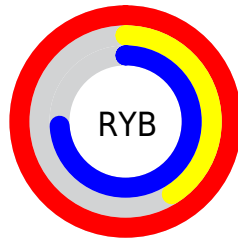
Distribution



Red (100%)

Green (41%)

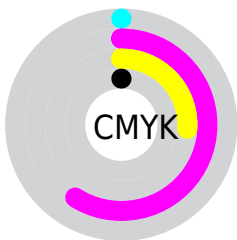
Blue (74%)



Red (100%)

Yellow (41%)

Blue (74%)

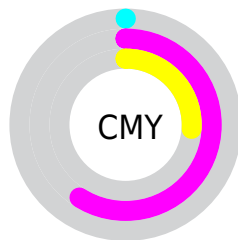


Cyan (0%)

Magenta (59%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4769, 35.0373, 51.9830 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 55.4769, 35.0373, 51.9830 by changing the saturation by 10% instead.

 55.4769, 35.0373,
51.9830


 55.4769, 35.0373,
51.9830

397.8242,
324.7329, 411.3261


 40.0190, 23.6916,
36.6094

 97.3836, 67.5435,
94.5325


 27.7377, 15.1050,
24.6118


 124.5631, 89.4729,
122.5454

 18.2674, 8.8931,
15.5717


 156.3806,
115.6989, 155.6086

 11.2430, 4.6715,
9.0705

 193.2013,
146.6060, 194.1405

 6.2990, 2.0559,
4.6898

235.3907,
182.5786, 238.5596

 3.0701, 0.6396,
2.0109

283.3141,

 1.1910, 0.0000,

224.0010, 289.2846

0.5620

337.3368,
271.2576, 346.7339

■ 0.0992, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.4769, 35.0373,
51.9830

■ 55.4769, 35.0373,
51.9830

■ 52.0866, 30.1311,
45.0744

■ 59.7416, 41.5413,
59.6487

■ 49.4939, 26.6729,
38.8858

■ 64.9432, 49.7651,
68.1014

■ 47.6123, 24.4928,
33.3780

■ 71.1412, 59.8244,
77.3712

■ 46.3158, 23.3425,
28.4975

■ 78.3893, 71.8234,
87.4853

■ 46.1824, 23.2370,
27.9563

■ 86.7371, 85.8587,
98.4697

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.



49.1918, 35.0373, 88.9227



55.4769, 35.0373, 51.9830



55.0404, 35.0373, 24.4588

Triad

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



55.4769, 35.0373, 51.9830



28.0959, 35.0373, 6.1479



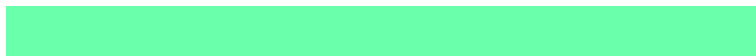
21.9025, 35.0373, 93.2752

Complementary

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



55.4769, 35.0373, 51.9830



48.9381, 77.4643, 50.9047

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.



18.2057, 35.0373, 56.1821



55.4769, 35.0373, 51.9830



21.2654, 35.0373, 11.6865

Square

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



55.4769, 35.0373, 51.9830



37.8348, 35.0373, 5.8875



17.9983, 35.0373, 27.0179



29.1464, 35.0373, 119.6098

Rectangle

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



55.4769, 35.0373, 51.9830



50.9777, 35.0373, 13.9263



17.9983, 35.0373, 27.0179



20.2723, 35.0373, 81.0062

Sweetspot

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



55.4778, 35.0390, 51.9836



79.0320, 72.8968, 88.3532



39.6810, 25.8714, 97.5100



16.4352, 14.8011, 18.2579



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.



55.4778, 35.0390, 51.9836



51.4562, 29.2592, 43.6653



49.3874, 32.6028, 19.9120



18.4353, 18.1574, 20.9096



24.2077, 12.1724, 15.0101



2.4120, 1.2072, 1.7509

Inverse Universe

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



55.4778, 35.0390, 51.9836



51.4562, 29.2592, 43.6653



58.0682, 81.1164, 98.9832



18.4353, 18.1574, 20.9096



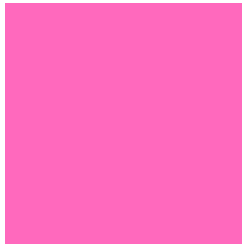
24.2077, 12.1724, 15.0101



2.4120, 1.2072, 1.7509

Previews

White Background



This preview shows how the XYZ color 55.4769, 35.0373, 51.9830 looks on a white background.

Color Contrast Check

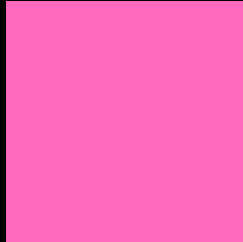
Large Text (above 18pt) WCAG AA × Fail

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 55.4769, 35.0373, 51.9830 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 55.4769, 35.0373, 51.9830

Background



This preview shows how black text looks on a background with the XYZ color 55.4769, 35.0373, 51.9830.



This preview shows how white text looks on a background with the XYZ color 55.4769, 35.0373,

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

55.4769, 35.0373, 51.9830

Protanopia

36.6018, 35.4337, 76.8618

Deuteranopia

35.9548, 35.2201, 48.6192



Tritanopia

49.8519, 35.0500, 24.2165

Trichromacy



Original Color

55.4769, 35.0373, 51.9830



Protanomaly

40.2989, 33.0931, 67.2144



Deuteranomaly

40.8861, 33.3578, 49.6312



Tritanomaly

51.6672, 34.9321, 32.8736

Monochromacy



Original Color

55.4769, 35.0373, 51.9830



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

38.7365, 32.8369, 42.3267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4769, 35.0373, 51.9830 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, 105, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 189)  
}
```

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, 105, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 189) }
```

Border

The CSS property to change the border of an element to XYZ 55.4769, 35.0373, 51.9830 is called "border". The border property can be set on classes, ids or directly on the HTML element.

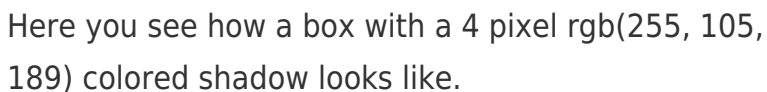
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 105, 189) }
```


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

```
.border{ border-color:rgb(255, 105, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 105, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4769, 35.0373, 51.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 189) }
```

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

```
.background{ background-color: rgb(255,  
105, 189) }
```

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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