

Converting Colors

XYZ(64.9887, 40.4765, 98.9952)

Have a look what the booklet for
XYZ(64.9887, 40.4765, 98.9952)
contains.

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Color

**XYZ(65.0538, 40.5523,
99.0064)**

Conversions

Conversions Part 1

Format	Color
Hex	FE73FF
RGB	254, 115, 255
RGB Percent	100%, 45%, 100%
CMY	0.0039, 0.5490, 0.0000
CMYK	0.00, 0.55, 0.00, 0.00
HSL	300°, 100%, 73%
HSV	300°, 55%, 100%
XYZ	65.0538, 40.5523, 99.0064
YIQ	172.5210, 37.9040, 73.0080

Conversions

Conversions Part 2

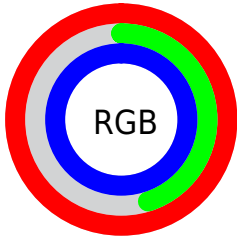
Format	Color
R_{YB}	254, 115, 255
Decimal	16675839
CIE _{Lab}	69.86, 70.55, -45.72
CIE _{LCh}	70, 84.068, 327.051
Yxy	40.5523, 0.3179, 0.1982
Android (android.graphics.Color)	4294865919 (0xFFFE73FF)
YUV	172.5210, 40.6621, 71.4571
Hunter-Lab	63.6807, 70.9077, -47.6036

Details

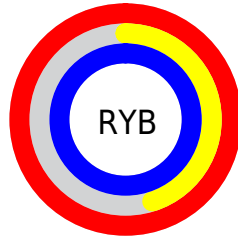
The XYZ color **65.0538, 40.5523, 99.0064** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.0580, 76.4713, 28.5545**, and the grayscale version is **39.2650, 41.3098, 44.9864**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **33.8074, 18.2789, 55.1724** is the 20% darker color. If you saturate the color by 10%, you get **62.4718, 35.4862, 98.1646**, and if you desaturate by 10%, it is **68.4425, 47.2300, 100.1167**.

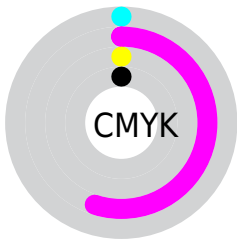
Distribution



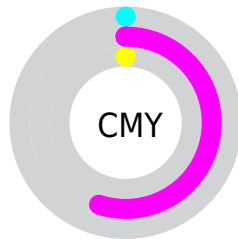
- Red (100%)
- Green (45%)
- Blue (100%)



- Red (100%)
- Yellow (45%)
- Blue (100%)



- Cyan (0%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0538, 40.5523, 99.0064 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 65.0538, 40.5523, 99.0064 by changing the saturation by 10% instead.


 65.0538, 40.5523,
99.0064

 65.0538, 40.5523,
99.0064


432.5274,
348.4460, 578.2218


 47.7696, 27.9694,
74.8587


 111.1925, 76.0038,
161.8310

 33.8549, 18.3026,
54.9961


 140.7776, 99.6412,
201.3451

 22.9445, 11.1675,
39.0001


 175.1938,
127.7323, 246.8184

 14.6730, 6.1796,
26.4519

214.8064,
160.6614, 298.6694

 8.6750, 2.9546,
16.9333

259.9807,
198.8129, 357.3167

 4.5852, 1.1081,
10.0255

311.0820,

 2.0383, 0.0000,

242.5712, 423.1788

5.3100

368.4758,
292.3208, 496.6744

■ 0.6553, 0.0000,
2.3684

■ 0.0000, 0.0000,
0.7692

■ 65.0538, 40.5523,
99.0064

■ 65.0538, 40.5523,
99.0064

■ 62.4718, 35.4862,
98.1646

■ 68.4425, 47.2300,
100.1167

■ 60.6245, 31.8901,
97.5679

■ 72.6943, 55.6346,
101.5149

■ 59.4337, 29.6072,
97.1900

■ 77.8651, 65.8771,
103.2194

■ 58.8020, 28.4422,
96.9984

■ 84.0049, 78.0576,
105.2468

■ 58.6242, 28.1368,
96.9488

■ 91.1603, 92.2692,
107.6128

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.



51.7659, 40.5523, 150.7455



65.0538, 40.5523, 99.0064



71.1760, 40.5523, 48.1384

Triad

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



65.0538, 40.5523, 99.0064



39.9108, 40.5523, 3.5812



19.5643, 40.5523, 87.9622

Complementary

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



65.0538, 40.5523, 99.0064



46.0580, 76.4713, 28.5545

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.



17.8130, 40.5523, 40.3968



65.0538, 40.5523, 99.0064



27.7897, 40.5523, 5.3307

Square

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



65.0538, 40.5523, 99.0064



54.6673, 40.5523, 6.3329



20.4368, 40.5523, 14.5767



25.9501, 40.5523, 142.1407

Rectangle

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



65.0538, 40.5523, 99.0064



69.5037, 40.5523, 25.5659



20.4368, 40.5523, 14.5767



18.4908, 40.5523, 70.0895

Sweetspot

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



65.0551, 40.5541, 99.0067



83.2803, 76.6193, 105.0074



31.5220, 23.6671, 97.5146



17.5423, 15.8379, 22.3824



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.



65.0551, 40.5541, 99.0067



62.2338, 35.0210, 98.0874



56.3772, 37.1252, 51.3972



18.7792, 18.2934, 22.7912



30.6383, 14.7051, 50.6581



2.9871, 1.4338, 4.9326

Inverse Universe

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



50.5241, 34.7840, 20.5755



46.3813, 28.7308, 12.3119



51.3440, 78.5704, 57.0794



18.0147, 17.9892, 18.6945



21.5563, 11.1118, 1.0478



2.1006, 1.0826, 0.1113

Previews

White Background



This preview shows how the XYZ color 65.0538, 40.5523, 99.0064 looks on a white background.

Color Contrast Check

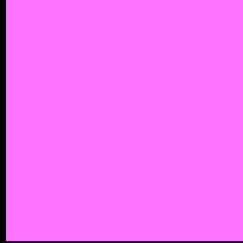
Large Text (above 18pt) WCAG AA × Fail

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 65.0538, 40.5523, 99.0064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

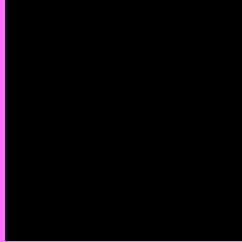
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.0538, 40.5523, 99.0064

Background



This preview shows how black text looks on a background with the XYZ color 65.0538, 40.5523, 99.0064.



This preview shows how white text looks on a background with the XYZ color 65.0538, 40.5523,

99.0064.

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

65.0538, 40.5523, 99.0064

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

41.9778, 40.7805, 92.8477



Tritanopia

51.9584, 40.4902, 34.7827

Trichromacy



Original Color

65.0538, 40.5523, 99.0064



Protanomaly

47.8535, 38.5386, 99.5243



Deuteranomaly

47.3748, 38.4017, 94.5379

Tritanomaly

55.4426, 39.7695, 52.8982

Monochromacy



Original Color

65.0538, 40.5523, 99.0064



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

46.3648, 39.3248, 61.6467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0538, 40.5523, 99.0064 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(254, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 115, 255)  
}
```

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(254, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 115, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.0538, 40.5523, 99.0064 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(254, 115, 255) }
```


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

```
.border{ border-color:rgb(254, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 115,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0538, 40.5523, 99.0064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 115, 255) }
```

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

```
.background{ background-color: rgb(254,  
115, 255) }
```

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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