

Converting Colors

XYZ(63.4580, 36.8161, 98.3693)

Have a look what the booklet for
XYZ(63.4580, 36.8161, 98.3693)
contains.

XYZ(63.4729, 36.8457, 98.3743)	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(63.4729, 36.8457,
98.3743)**

Conversions

Conversions Part 1

Format	Color
Hex	FF60FF
RGB	255, 96, 255
RGB Percent	100%, 38%, 100%
CMY	0.0000, 0.6235, 0.0000
CMYK	0.00, 0.62, 0.00, 0.00
HSL	300°, 100%, 69%
HSV	300°, 62%, 100%
XYZ	63.4729, 36.8457, 98.3743
YIQ	161.6670, 43.7250, 83.1570

Conversions

Conversions Part 2

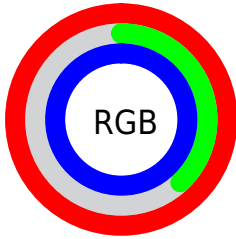
Format	Color
R _{YB}	255, 96, 255
Decimal	16736511
CIE _{Lab}	67.16, 78.59, -49.97
CIE _{LCh}	67, 93.125, 327.551
Y _{xy}	36.8457, 0.3195, 0.1854
Android (android.graphics.Color)	4294926591 (0xFFFF60FF)
Y _{UV}	161.6670, 46.0132, 81.8530
Hunter-Lab	60.7007, 80.4261, -53.5977

Details

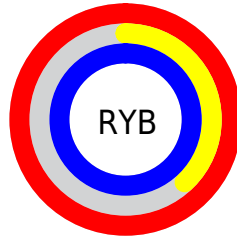
The XYZ color **63.4729, 36.8457, 98.3743** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **42.6962, 74.8518, 23.2655**, and the grayscale version is **33.9660, 35.7349, 38.9153**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **32.9669, 16.2156, 54.8185** is the 20% darker color. If you saturate the color by 10%, you get **61.5120, 32.9240, 97.7207**, and if you desaturate by 10%, it is **66.1891, 42.2783, 99.2797**.

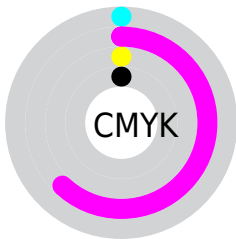
Distribution



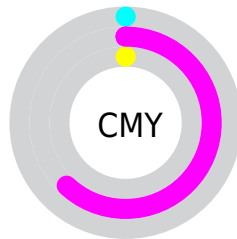
- Red (100%)
- Green (38%)
- Blue (100%)



- Red (100%)
- Yellow (38%)
- Blue (100%)



- Cyan (0%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4729, 36.8457, 98.3743 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 63.4729, 36.8457, 98.3743 by changing the saturation by 10% instead.


 63.4729, 36.8457,
98.3743

 63.4729, 36.8457,
98.3743

426.9161,
332.6420, 576.1699


 46.4840, 25.0880,
74.3342


 108.9295, 70.3354,
160.9536


 32.8341, 16.1427,
54.5692

 138.1278, 92.8363,
200.3300

 22.1580, 9.6252,
38.6607


 172.1267,
119.6869, 245.6556

 14.0903, 5.1511,
26.1900

 211.2914,
151.2719, 297.3488

 8.2656, 2.3362,
16.7388

255.9874,
187.9755, 355.8284

 4.3186, 0.7928,
9.8885

306.5799,

 1.8839, 0.0000,

230.1821, 421.5127

5.2204

363.4344,
278.2761, 494.8204

■ 0.5675, 0.0000,
2.3162

■ 0.0000, 0.0000,
0.7403

■ 63.4729, 36.8457,
98.3743

■ 63.4729, 36.8457,
98.3743

■ 61.5120, 32.9240,
97.7207

■ 66.1891, 42.2783,
99.2797

■ 60.2286, 30.3573,
97.2929

■ 69.7248, 49.3496,
100.4583

■ 59.5315, 28.9631,
97.0605

■ 74.1392, 58.1783,
101.9297

■ 59.2900, 28.4800,
96.9800

■ 79.4856, 68.8713,
103.7119

85.8133, 81.5266,
105.8211

93.1678, 96.2356,
108.2726

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.



49.2237, 36.8457, 156.9936



63.4729, 36.8457, 98.3743



69.9813, 36.8457, 43.5520

Triad

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



63.4729, 36.8457, 98.3743



36.1999, 36.8457, 1.7364



15.9672, 36.8457, 88.2260

Complementary

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



63.4729, 36.8457, 98.3743



42.6962, 74.8518, 23.2655

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.



14.2166, 36.8457, 36.8708



63.4729, 36.8457, 98.3743



23.8520, 36.8457, 3.0615

Square

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



63.4729, 36.8457, 98.3743



51.8019, 36.8457, 3.7026



16.6681, 36.8457, 11.0950



22.3224, 36.8457, 148.8453

Rectangle

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



63.4729, 36.8457, 98.3743



68.0235, 36.8457, 20.8612



16.6681, 36.8457, 11.0950



14.9105, 36.8457, 68.6103

Sweetspot

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



63.4735, 36.8470, 98.3745



81.4940, 72.8879, 104.3813



27.0581, 18.0742, 96.6703



17.0746, 14.8640, 22.2191



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.



63.4735, 36.8470, 98.3745



61.1093, 32.1187, 97.5864



53.2109, 32.7420, 44.3325



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



63.4735, 36.8470, 98.3745



61.1093, 32.1187, 97.5864



48.3720, 77.1221, 53.1537



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 63.4729, 36.8457, 98.3743 looks on a white background.

Color Contrast Check

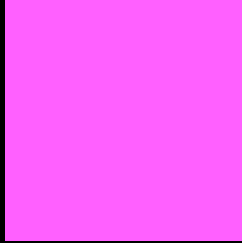
Large Text (above 18pt) WCAG AA × Fail

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 63.4729, 36.8457, 98.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

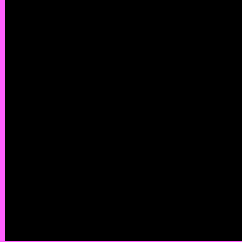
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4729, 36.8457, 98.3743

Background



This preview shows how black text looks on a background with the XYZ color 63.4729, 36.8457, 98.3743.



This preview shows how white text looks on a background with the XYZ color 63.4729, 36.8457,

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

63.4729, 36.8457, 98.3743

Protanopia

39.5473, 37.2218, 99.7079

Deuteranopia

38.1787, 37.2381, 90.7634



Tritanopia

48.9185, 36.5301, 28.8988

Trichromacy



Original Color

63.4729, 36.8457, 98.3743



Protanomaly

44.4512, 34.1100, 98.8488



Deuteranomaly

43.6315, 34.2412, 93.1165

Tritanomaly

52.8250, 35.8859, 47.8585

Monochromacy



Original Color

63.4729, 36.8457, 98.3743



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

41.8172, 33.8982, 56.5636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4729, 36.8457, 98.3743 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, 96, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 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(255, 96, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.4729, 36.8457, 98.3743 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, 96, 255) }
```


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

```
.border{ border-color:rgb(255, 96, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 96, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4729, 36.8457, 98.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 255) }
```

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

```
.background{ background-color: rgb(255, 96,  
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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