

Converting Colors

XYZ(66.0469, 36.6045, 77.7552)

Have a look what the booklet for
XYZ(66.0469, 36.6045, 77.7552)
contains.

XYZ(58.1788, 32.5091, 77.3373)	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(58.1788, 32.5091,
77.3373)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4FE5
RGB	255, 79, 229
RGB Percent	100%, 31%, 90%
CMY	0.0000, 0.6902, 0.1020
CMYK	0.00, 0.69, 0.10, 0.00
HSL	309°, 100%, 65%
HSV	309°, 69%, 100%
XYZ	58.1788, 32.5091, 77.3373
YIQ	148.7240, 56.7460, 83.9620

Conversions

Conversions Part 2

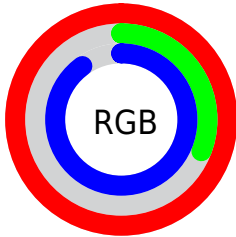
Format	Color
R _{YB}	255, 79, 229
Decimal	16732133
CIE Lab	63.76, 80.73, -40.93
CIE LCh	64, 90.515, 333.119
Yxy	32.5091, 0.3463, 0.1935
Android (android.graphics.Color)	4294922213 (0xFFFF4FE5)
YUV	148.7240, 39.5761, 93.2041
Hunter-Lab	57.0168, 82.3587, -40.5090

Details

The XYZ color **58.1788, 32.5091, 77.3373** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **41.5355, 74.2028, 25.5004**, and the grayscale version is **28.2755, 29.7480, 32.3956**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **29.7910, 14.4865, 40.7612** is the 20% darker color. If you saturate the color by 10%, you get **56.1589, 29.3019, 74.0972**, and if you desaturate by 10%, it is **60.9166, 37.1334, 80.8738**.

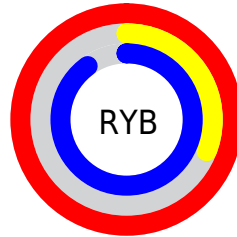
Distribution



Red (100%)

Green (31%)

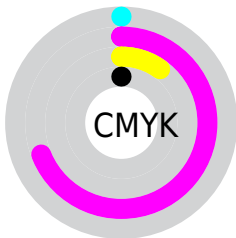
Blue (90%)



Red (100%)

Yellow (31%)

Blue (90%)

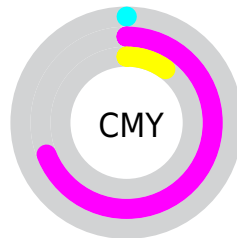


Cyan (0%)

Magenta (69%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (69%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1788, 32.5091, 77.3373 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 58.1788, 32.5091, 77.3373 by changing the saturation by 10% instead.


 58.1788, 32.5091,
77.3373


 58.1788, 32.5091,
77.3373

407.7950,
313.4319, 505.3815


 42.1962, 21.7507,
57.0165

 101.3047, 63.6083,
131.3929


 29.4468, 13.6738,
40.6091

 129.1787, 84.7179,
165.9647

 19.5650, 7.8941,
27.6964

 161.7472,
110.0467, 206.1241

 12.1857, 4.0273,
17.8598

 199.3756,
139.9790, 252.2894

 6.9434, 1.6888,
10.6810

242.4292,
174.8993, 304.8793

 3.4727, 0.4164,
5.7413

291.2734,

 1.4084, 0.0000,

215.1920, 364.3122

2.6222

346.2735,
261.2413, 431.0068

■ 0.2622, 0.0000,
0.9039

■ 0.0000, 0.0000,
0.0000

■ 58.1788, 32.5091,
77.3373

■ 58.1788, 32.5091,
77.3373

■ 56.1589, 29.3019,
74.0972

■ 60.9166, 37.1334,
80.8738

■ 54.7688, 27.3363,
71.1226

■ 64.4421, 43.3150,
84.7291

■ 53.8828, 26.3607,
68.3716

■ 68.8194, 51.1818,
88.9254

■ 53.8072, 26.2869,
68.1077

■ 74.1054, 60.8474,
93.4820

80.3520, 72.4154,
98.4165

87.6072, 85.9817,
103.7451

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.



46.2433, 32.5091, 132.1373



58.1788, 32.5091, 77.3373



62.2356, 32.5091, 31.7290

Triad

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



58.1788, 32.5091, 77.3373



29.5902, 32.5091, 1.4256



14.6346, 32.5091, 88.9649

Complementary

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



58.1788, 32.5091, 77.3373



41.5355, 74.2028, 25.5004

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.



12.3749, 32.5091, 39.3370



58.1788, 32.5091, 77.3373



19.3908, 32.5091, 3.1984

Square

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



58.1788, 32.5091, 77.3373



43.2993, 32.5091, 2.4922



13.8426, 32.5091, 12.2664



21.1257, 32.5091, 141.5002

Rectangle

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



58.1788, 32.5091, 77.3373



59.2176, 32.5091, 14.4351



13.8426, 32.5091, 12.2664



13.4498, 32.5091, 70.5429

Sweetspot

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



58.1796, 32.5105, 77.3379



79.0339, 69.9643, 97.4066



26.3801, 15.6659, 96.2412



16.5379, 14.2728, 20.5537



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.



58.1796, 32.5105, 77.3379



55.5350, 28.3806, 72.8820



49.0355, 28.8529, 29.1860



18.6705, 18.2515, 22.1480



28.1593, 13.7530, 35.8190



2.7718, 1.3511, 3.6458

Inverse Universe

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



58.1796, 32.5105, 77.3379



55.5350, 28.3806, 72.8820



48.3310, 76.9210, 61.2849



18.6705, 18.2515, 22.1480



28.1593, 13.7530, 35.8190



2.7718, 1.3511, 3.6458

Previews

White Background



This preview shows how the XYZ color 58.1788, 32.5091, 77.3373 looks on a white background.

Color Contrast Check

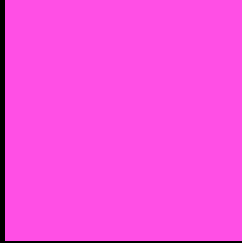
Large Text (above 18pt) WCAG AA × Fail

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 58.1788, 32.5091, 77.3373 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 58.1788, 32.5091, 77.3373

Background



This preview shows how black text looks on a background with the XYZ color 58.1788, 32.5091, 77.3373.

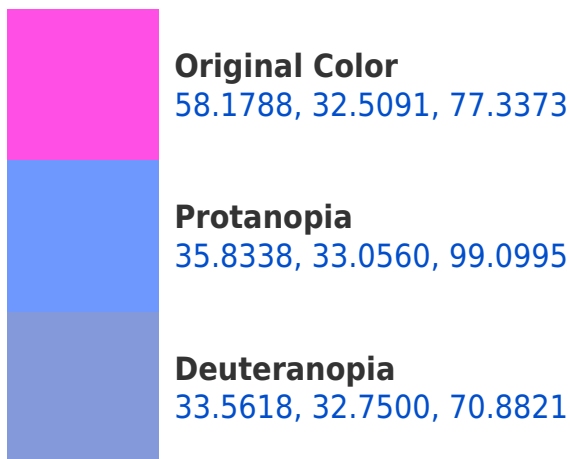


This preview shows how white text looks on a background with the XYZ color 58.1788, 32.5091,

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

46.6035, 32.3994, 21.5667

Trichromacy



Original Color

58.1788, 32.5091, 77.3373



Protanomaly

39.0724, 29.1076, 90.7478



Deuteranomaly

38.7771, 29.5427, 72.7658



Tritanomaly

49.7102, 31.8019, 36.7761

Monochromacy



Original Color

58.1788, 32.5091, 77.3373



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

35.9826, 28.3210, 45.6895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1788, 32.5091, 77.3373 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, 79, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 229)  
}
```

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, 79, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 229) }
```

Border

The CSS property to change the border of an element to XYZ 58.1788, 32.5091, 77.3373 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, 79, 229) }
```


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

```
.border{ border-color:rgb(255, 79, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 79, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1788, 32.5091, 77.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 229) }
```

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

```
.background{ background-color: rgb(255, 79,  
229) }
```

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