

Converting Colors

XYZ(60.0558, 32.3198, 90.1191)

Have a look what the booklet for
XYZ(60.0558, 32.3198, 90.1191)
contains.

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Color

**XYZ(60.0647, 32.2941,
90.2564)**

Conversions

Conversions Part 1

Format	Color
Hex	FF46F6
RGB	255, 70, 246
RGB Percent	100%, 27%, 96%
CMY	0.0000, 0.7255, 0.0353
CMYK	0.00, 0.73, 0.04, 0.00
HSL	303°, 100%, 64%
HSV	303°, 73%, 100%
XYZ	60.0647, 32.2941, 90.2564
YIQ	145.3790, 53.7640, 93.9560

Conversions

Conversions Part 2

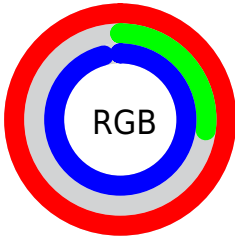
Format	Color
R _{YB}	255, 70, 246
Decimal	16729846
CIE Lab	63.59, 86.03, -50.66
CIE LCh	64, 99.840, 329.509
Yxy	32.2941, 0.3289, 0.1768
Android (android.graphics.Color)	4294919926 (0xFFFF46F6)
YUV	145.3790, 49.6062, 96.1376
Hunter-Lab	56.8279, 89.2182, -54.3873

Details

The XYZ color **60.0647, 32.2941, 90.2564** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **39.6981, 73.3871, 19.4716**, and the grayscale version is **26.8587, 28.2574, 30.7724**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **31.4334, 15.1435, 49.4104** is the 20% darker color. If you saturate the color by 10%, you get **58.6046, 29.6775, 88.8337**, and if you desaturate by 10%, it is **62.2040, 36.2668, 91.9125**.

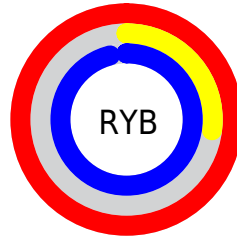
Distribution



Red (100%)

Green (27%)

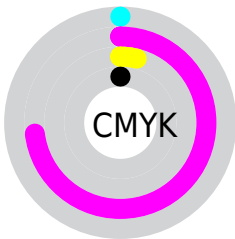
Blue (96%)



Red (100%)

Yellow (27%)

Blue (96%)

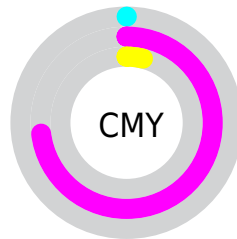


Cyan (0%)

Magenta (73%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (73%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.0647, 32.2941, 90.2564 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 60.0647, 32.2941, 90.2564 by changing the saturation by 10% instead.


 60.0647, 32.2941,
90.2564

 60.0647, 32.2941,
90.2564

414.6671,
312.4568, 549.4562


 43.7204, 21.5862,
67.6184

 104.0293, 63.2719,
149.6331


 30.6478, 13.5532,
49.1226

 132.3804, 84.3105,
187.2089

 20.4813, 7.8106,
34.3505


 165.4645,
109.5616, 230.6011

 12.8557, 3.9740,
22.8834

 203.6469,
139.4095, 280.2282

 7.4055, 1.6590,
14.3030

247.2930,
174.2386, 336.5087

 3.7656, 0.3969,
8.1905

296.7682,

 1.5704, 0.0000,

214.4332, 399.8611

4.1276

352.4378,
260.3778, 470.7041

■ 0.3730, 0.0000,
1.6956

■ 0.0000, 0.0000,
0.3577

■ 60.0647, 32.2941,
90.2564

■ 60.0647, 32.2941,
90.2564

■ 58.6046, 29.6775,
88.8337

■ 62.2040, 36.2668,
91.9125

■ 57.7293, 28.2286,
87.6119

■ 65.0966, 41.7442,
93.8256

■ 57.3565, 27.7066,
86.7983

■ 68.8093, 48.8598,
96.0184

■ 73.4010, 57.7313,
98.5105

78.9250, 68.4653,
101.3197

85.4306, 81.1605,
104.4624

92.9634, 95.9081,
107.9539

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.



45.8781, 32.2941, 153.1865



60.0647, 32.2941, 90.2564



66.0501, 32.2941, 35.8250

Triad

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



60.0647, 32.2941, 90.2564



30.9249, 32.2941, 0.6847



12.7796, 32.2941, 88.1364

Complementary

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



60.0647, 32.2941, 90.2564



39.6981, 73.3871, 19.4716

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.



10.9380, 32.2941, 34.5088



60.0647, 32.2941, 90.2564



19.2958, 32.2941, 1.7349

Square

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



60.0647, 32.2941, 90.2564



46.4003, 32.2941, 1.8250



12.9082, 32.2941, 8.8261



19.0052, 32.2941, 151.4379

Rectangle

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



60.0647, 32.2941, 90.2564



63.5203, 32.2941, 15.2544



12.9082, 32.2941, 8.8261



11.7292, 32.2941, 67.5277

Sweetspot

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



60.0654, 32.2953, 90.2570



79.2541, 69.1063, 101.4823



23.2352, 13.1452, 95.9204



16.6196, 14.1218, 21.5504



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.



60.0654, 32.2953, 90.2570



58.1487, 28.9003, 88.2667



49.4602, 28.0533, 34.4109



18.7522, 18.2842, 22.5785



29.9867, 14.4840, 45.4419



2.9310, 1.4148, 4.4840

Inverse Universe

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



60.0654, 32.2953, 90.2570



58.1487, 28.9003, 88.2667



45.4170, 75.6747, 49.5873



18.7522, 18.2842, 22.5785



29.9867, 14.4840, 45.4419



2.9310, 1.4148, 4.4840

Previews

White Background



This preview shows how the XYZ color 60.0647, 32.2941, 90.2564 looks on a white background.

Color Contrast Check

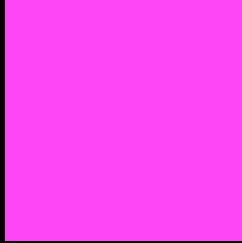
Large Text (above 18pt) WCAG AA × Fail

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 60.0647, 32.2941, 90.2564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

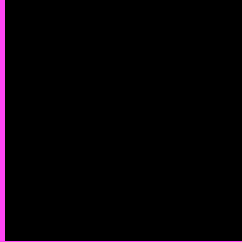
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.0647, 32.2941, 90.2564

Background



This preview shows how black text looks on a background with the XYZ color 60.0647, 32.2941, 90.2564.

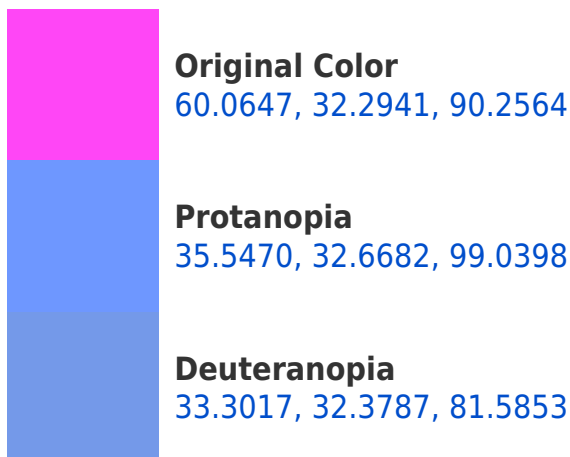


This preview shows how white text looks on a background with the XYZ color 60.0647, 32.2941,

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

45.6319, 31.8915, 21.8398

Trichromacy



Original Color

60.0647, 32.2941, 90.2564



Protanomaly

39.6345, 28.7339, 95.5527



Deuteranomaly

38.4519, 28.5545, 84.3738



Tritanomaly

49.1637, 30.8954, 39.4486

Monochromacy



Original Color

60.0647, 32.2941, 90.2564



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

34.9295, 26.6486, 47.5587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.0647, 32.2941, 90.2564 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, 70, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 246)  
}
```

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, 70, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 246) }
```

Border

The CSS property to change the border of an element to XYZ 60.0647, 32.2941, 90.2564 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, 70, 246) }
```


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

```
.border{ border-color:rgb(255, 70, 246) }
```

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

Here you see how a box with a 4 pixel rgb(255, 70, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0647, 32.2941, 90.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 246) }
```

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

```
.background{ background-color: rgb(255, 70,  
246) }
```

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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