

Converting Colors

XYZ(60.1386, 32.2103, 90.9950)

Have a look what the booklet for
XYZ(60.1386, 32.2103, 90.9950)
contains.

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Color

**XYZ(60.1566, 32.2316,
91.0464)**

Conversions

Conversions Part 1

Format	Color
Hex	FF45F7
RGB	255, 69, 247
RGB Percent	100%, 27%, 97%
CMY	0.0000, 0.7294, 0.0314
CMYK	0.00, 0.73, 0.03, 0.00
HSL	303°, 100%, 64%
HSV	303°, 73%, 100%
XYZ	60.1566, 32.2316, 91.0464
YIQ	144.9060, 53.7180, 94.7900

Conversions

Conversions Part 2

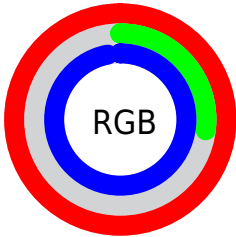
Format	Color
R _Y B	255, 69, 247
Decimal	16729591
CIE Lab	63.53, 86.47, -51.29
CIE LCh	64, 100.542, 329.324
Yxy	32.2316, 0.3279, 0.1757
Android (android.graphics.Color)	4294919671 (0xFFFF45F7)
YUV	144.9060, 50.3323, 96.5524
Hunter-Lab	56.7729, 89.7862, -55.3421

Details

The XYZ color **60.1566, 32.2316, 91.0464** 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 **39.5548, 73.3215, 19.0905**, and the grayscale version is **26.6644, 28.0530, 30.5497**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **31.5424, 15.1870, 49.9841** is the 20% darker color. If you saturate the color by 10%, you get **58.7423, 29.6729, 89.7427**, and if you desaturate by 10%, it is **62.2465, 36.1396, 92.5810**.

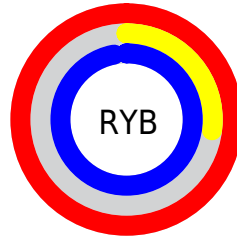
Distribution



Red (100%)

Green (27%)

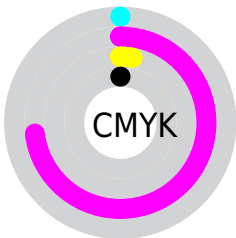
Blue (97%)



Red (100%)

Yellow (27%)

Blue (97%)

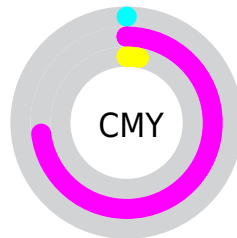


Cyan (0%)

Magenta (73%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (73%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.1566, 32.2316, 91.0464 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 60.1566, 32.2316, 91.0464 by changing the saturation by 10% instead.


 60.1566, 32.2316,
91.0464


 60.1566, 32.2316,
91.0464

415.0002,
312.1729, 552.0866


 43.7948, 21.5385,
68.2703

 104.1619, 63.1740,
150.7392

 30.7064, 13.5182,
49.6496


 132.5360, 84.1920,
188.4930

 20.5261, 7.7863,
34.7658


 165.6451,
109.4205, 232.0764

 12.8886, 3.9585,
23.2004

 203.8543,
139.2438, 281.9079

 7.4283, 1.6504,
14.5349

247.5291,
174.0462, 338.4062

 3.7801, 0.3912,
8.3506

297.0347,

 1.5785, 0.0000,

214.2123, 401.9897

4.2291

352.7367,
260.1264, 473.0770

■ 0.3783, 0.0000,
1.7519

■ 0.0000, 0.0000,
0.3959

■ 60.1566, 32.2316,
91.0464

■ 60.1566, 32.2316,
91.0464

■ 58.7423, 29.6729,
89.7427

■ 62.2465, 36.1396,
92.5810

■ 57.9084, 28.2737,
88.6371

■ 65.0868, 41.5469,
94.3702

■ 57.5741, 27.7936,
87.9440

■ 68.7444, 48.5872,
96.4368

■ 73.2784, 57.3789,
98.8004

78.7426, 68.0291,
101.4791

85.1861, 80.6365,
104.4892

92.6549, 95.2928,
107.8460

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.



45.8227, 32.2316, 154.5884



60.1566, 32.2316, 91.0464



66.2639, 32.2316, 36.0132

Triad

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



60.1566, 32.2316, 91.0464



30.9542, 32.2316, 0.6297



12.6318, 32.2316, 88.1010

Complementary

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



60.1566, 32.2316, 91.0464



39.5548, 73.3215, 19.0905

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.



10.8144, 32.2316, 34.1920



60.1566, 32.2316, 91.0464



19.2397, 32.2316, 1.6476

Square

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



60.1566, 32.2316, 91.0464



46.5468, 32.2316, 1.7690



12.8087, 32.2316, 8.6066



18.8387, 32.2316, 152.1545

Rectangle

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



60.1566, 32.2316, 91.0464



63.7595, 32.2316, 15.2467



12.8087, 32.2316, 8.6066



11.5897, 32.2316, 67.3382

Sweetspot

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



60.1573, 32.2328, 91.0470



79.3043, 69.1264, 101.7470



23.0967, 12.9817, 95.8961



16.6316, 14.1266, 21.6139



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.



60.1573, 32.2328, 91.0470



58.2543, 28.8331, 89.1604



49.3529, 27.9111, 34.1522



18.7569, 18.2861, 22.6031



30.0986, 14.5287, 46.0310



2.9407, 1.4186, 4.5349

Inverse Universe

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



60.1573, 32.2328, 91.0470



58.2543, 28.8331, 89.1604



45.3018, 75.6203, 49.3542



18.7569, 18.2861, 22.6031



30.0986, 14.5287, 46.0310



2.9407, 1.4186, 4.5349

Previews

White Background



This preview shows how the XYZ color 60.1566, 32.2316, 91.0464 looks on a white background.

Color Contrast Check

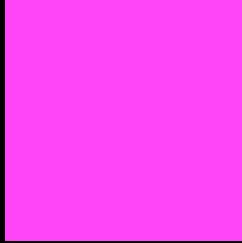
Large Text (above 18pt) WCAG AA × Fail

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 60.1566, 32.2316, 91.0464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

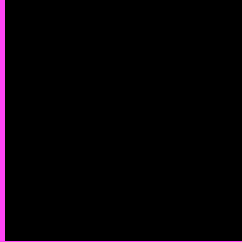
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.1566, 32.2316, 91.0464

Background



This preview shows how black text looks on a background with the XYZ color 60.1566, 32.2316, 91.0464.



This preview shows how white text looks on a background with the XYZ color 60.1566, 32.2316,

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

60.1566, 32.2316, 91.0464

Protanopia

35.4233, 32.6044, 99.0340

Deuteranopia

33.3127, 32.3678, 82.3337



Tritanopia

45.6319, 31.8915, 21.8398

Trichromacy



Original Color

60.1566, 32.2316, 91.0464



Protanomaly

39.3084, 28.3844, 95.5024



Deuteranomaly

38.2654, 28.2581, 85.0989



Tritanomaly

49.2558, 30.9322, 39.9337

Monochromacy



Original Color

60.1566, 32.2316, 91.0464



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

34.8124, 26.4143, 47.5196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1566, 32.2316, 91.0464 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, 69, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 247)  
}
```

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, 69, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 247) }
```

Border

The CSS property to change the border of an element to XYZ 60.1566, 32.2316, 91.0464 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, 69, 247) }
```


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

```
.border{ border-color:rgb(255, 69, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 69, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1566, 32.2316, 91.0464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 247) }
```

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

```
.background{ background-color: rgb(255, 69,  
247) }
```

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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