

Converting Colors

XYZ(60.2735, 36.0807, 79.9397)

Have a look what the booklet for
XYZ(60.2735, 36.0807, 79.9397)
contains.

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Color

**XYZ(60.2673, 36.0099,
80.1181)**

Conversions

Conversions Part 1

Format	Color
Hex	FF63E8
RGB	255, 99, 232
RGB Percent	100%, 39%, 91%
CMY	0.0000, 0.6117, 0.0902
CMYK	0.00, 0.61, 0.09, 0.00
HSL	309°, 100%, 69%
HSV	309°, 61%, 100%
XYZ	60.2673, 36.0099, 80.1181
YIQ	160.8060, 50.2830, 74.4350

Conversions

Conversions Part 2

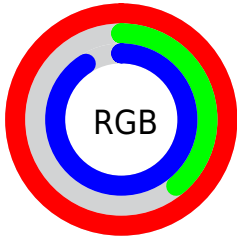
Format	Color
R _Y B	255, 99, 232
Decimal	16737256
CIE _{Lab}	66.53, 73.83, -38.27
CIE _{LCh}	67, 83.161, 332.600
Y _{xy}	36.0099, 0.3417, 0.2041
Android (android.graphics.Color)	4294927336 (0xFFFF63E8)
YUV	160.8060, 35.0986, 82.6081
Hunter-Lab	60.0082, 74.2561, -37.1534

Details

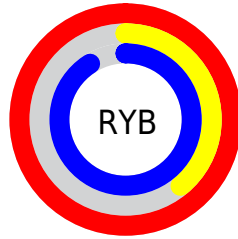
The XYZ color **60.2673, 36.0099, 80.1181** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.4198, 75.5784, 30.6617**, and the grayscale version is **33.6139, 35.3644, 38.5118**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **30.8064, 15.6652, 42.4743** is the 20% darker color. If you saturate the color by 10%, you get **57.6931, 31.7069, 76.6535**, and if you desaturate by 10%, it is **63.6170, 41.8452, 83.8984**.

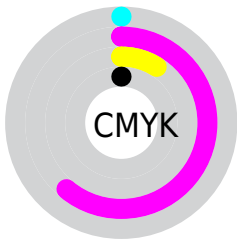
Distribution



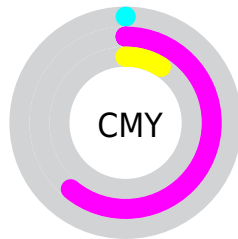
- Red (100%)
- Green (39%)
- Blue (91%)



- Red (100%)
- Yellow (39%)
- Blue (91%)



- Cyan (0%)
- Magenta (61%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.2673, 36.0099, 80.1181 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 60.2673, 36.0099, 80.1181 by changing the saturation by 10% instead.


 60.2673, 36.0099,
80.1181

 60.2673, 36.0099,
80.1181

415.4013,
329.0038, 515.0480


 43.8844, 24.4418,
59.2888

 104.3215, 69.0473,
135.3447


 30.7772, 15.6617,
42.4241

 132.7234, 91.2855,
170.5790

 20.5802, 9.2851,
29.1055


 165.8625,
117.8492, 211.4521

 12.9282, 4.9276,
18.9144

 204.1040,
149.1228, 258.3825

 7.4558, 2.2048,
11.4322

247.8132,
185.4906, 311.7888

 3.7976, 0.7226,
6.2405

297.3556,

 1.5883, 0.0000,

227.3371, 372.0894

2.9207

353.0965,
275.0467, 439.7030

■ 0.3848, 0.0000,
1.0543

■ 0.0000, 0.0000,
0.0000

■ 60.2673, 36.0099,
80.1181

■ 60.2673, 36.0099,
80.1181

■ 57.6931, 31.7069,
76.6535

■ 63.6170, 41.8452,
83.8984

■ 55.8172, 28.7825,
73.4773


■ 67.8046, 49.3380,
88.0142


■ 54.5508, 27.0591,
70.5600

■ 72.8890, 58.6060,
92.4861

■ 53.8169, 26.2907,
68.1589

■ 78.9231, 69.7548,
97.3319

 85.9556, 82.8817,
102.5683

 94.0319, 98.0774,
108.2107

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.



48.8567, 36.0099, 130.3214



60.2673, 36.0099, 80.1181



64.2424, 36.0099, 36.1719

Triad

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



60.2673, 36.0099, 80.1181



33.1489, 36.0099, 2.8257



17.7251, 36.0099, 89.1351

Complementary

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



60.2673, 36.0099, 80.1181



44.4198, 75.5784, 30.6617

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.



15.4108, 36.0099, 42.4108



60.2673, 36.0099, 80.1181



22.8539, 36.0099, 5.1288

Square

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



60.2673, 36.0099, 80.1181



46.5042, 36.0099, 4.3663



17.0320, 36.0099, 15.3178



24.3254, 36.0099, 137.3916

Rectangle

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



60.2673, 36.0099, 80.1181



61.5147, 36.0099, 18.2790



17.0320, 36.0099, 15.3178



16.5041, 36.0099, 72.0062

Sweetspot

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



60.2682, 36.0114, 80.1188



81.0444, 73.7018, 98.9506



30.2316, 20.1245, 96.8988



16.9297, 14.9989, 20.8615



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.



60.2682, 36.0114, 80.1188



57.3007, 31.0745, 76.0526



51.7207, 32.5924, 35.1086



18.6707, 18.2516, 22.1493



28.1643, 13.7550, 35.8454



2.7723, 1.3513, 3.6481

Inverse Universe

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



60.2682, 36.0114, 80.1188



57.3007, 31.0745, 76.0526



51.0768, 78.2412, 65.7170



18.6707, 18.2516, 22.1493



28.1643, 13.7550, 35.8454



2.7723, 1.3513, 3.6481

Previews

White Background



This preview shows how the XYZ color 60.2673, 36.0099, 80.1181 looks on a white background.

Color Contrast Check

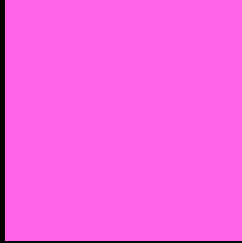
Large Text (above 18pt) WCAG AA × Fail

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 60.2673, 36.0099, 80.1181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

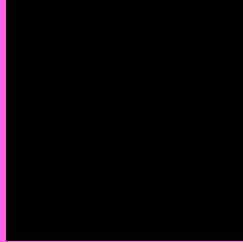
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.2673, 36.0099, 80.1181

Background



This preview shows how black text looks on a background with the XYZ color 60.2673, 36.0099, 80.1181.



This preview shows how white text looks on a background with the XYZ color 60.2673, 36.0099,

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

60.2673, 36.0099, 80.1181

Protanopia

38.9056, 36.3762, 99.5785

Deuteranopia

37.0833, 36.2552, 74.1507



Tritanopia

49.2929, 35.8009, 26.8665

Trichromacy



Original Color

60.2673, 36.0099, 80.1181



Protanomaly

42.7474, 33.3774, 92.1851



Deuteranomaly

42.5831, 33.8583, 76.2424



Tritanomaly

52.5680, 35.5328, 42.1181

Monochromacy



Original Color

60.2673, 36.0099, 80.1181



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

40.5638, 33.3669, 51.3162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.2673, 36.0099, 80.1181 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, 99, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 232)  
}
```

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, 99, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 232) }
```

Border

The CSS property to change the border of an element to XYZ 60.2673, 36.0099, 80.1181 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, 99, 232) }
```


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

```
.border{ border-color:rgb(255, 99, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 60.2673, 36.0099, 80.1181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 232) }
```

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

```
.background{ background-color: rgb(255, 99,  
232) }
```

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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