

Converting Colors

XYZ(56.1022, 31.4012, 67.2567)

Have a look what the booklet for
XYZ(56.1022, 31.4012, 67.2567)
contains.

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Color

**XYZ(56.1596, 31.4741,
67.4051)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4DD7
RGB	255, 77, 215
RGB Percent	100%, 30%, 84%
CMY	0.0000, 0.6980, 0.1569
CMYK	0.00, 0.70, 0.16, 0.00
HSL	313°, 100%, 65%
HSV	313°, 70%, 100%
XYZ	56.1596, 31.4741, 67.4051
YIQ	145.9540, 61.7900, 80.6540

Conversions

Conversions Part 2

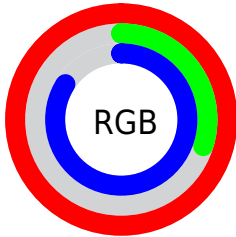
Format	Color
R _Y B	255, 77, 215
Decimal	16731607
CIE Lab	62.91, 79.45, -34.41
CIE LCh	63, 86.584, 336.583
Yxy	31.4741, 0.3622, 0.2030
Android (android.graphics.Color)	4294921687 (0xFFFF4DD7)
YUV	145.9540, 34.0397, 95.6333
Hunter-Lab	56.1018, 80.5058, -31.9644

Details

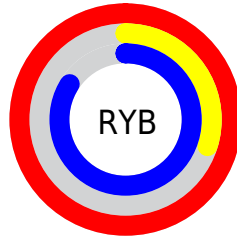
The XYZ color **56.1596, 31.4741, 67.4051** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **42.0329, 74.3828, 28.9746**, and the grayscale version is **27.1520, 28.5660, 31.1084**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **28.5933, 14.0074, 34.4544** is the 20% darker color. If you saturate the color by 10%, you get **53.9883, 28.2893, 63.1118**, and if you desaturate by 10%, it is **59.0570, 36.0695, 72.0684**.

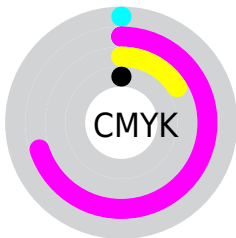
Distribution



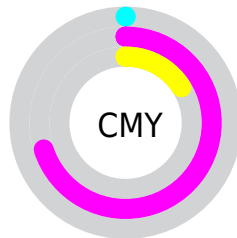
- Red (100%)
- Green (30%)
- Blue (84%)



- Red (100%)
- Yellow (30%)
- Blue (84%)



- Cyan (0%)
- Magenta (70%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1596, 31.4741, 67.4051 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 56.1596, 31.4741, 67.4051 by changing the saturation by 10% instead.


 56.1596, 31.4741,
67.4051


 56.1596, 31.4741,
67.4051


400.3580,
308.7166, 469.9261


 40.5684, 20.9601,
48.9502


 98.3763, 61.9857,
117.1468

 28.1682, 13.0949,
34.2147


 125.7326, 82.7522,
149.2708

 18.5936, 7.4939,
22.7799


 157.7413,
107.7049, 186.7882

 11.4792, 3.7729,
14.2273

 194.7677,
137.2283, 230.1176

 6.4598, 1.5473,
8.1384

237.1772,
171.7068, 279.6776

 3.1699, 0.3217,
4.0946

285.3352,

 1.2443, 0.0000,

211.5247, 335.8866

1.6774

339.6070,
257.0665, 399.1633

■ 0.1409, 0.0000,
0.3452

■ 0.0000, 0.0000,
0.0000

■ 56.1596, 31.4741,
67.4051

■ 56.1596, 31.4741,
67.4051

■ 53.9883, 28.2893,
63.1118

■ 59.0570, 36.0695,
72.0684

■ 52.4535, 26.3368,
59.1563

■ 62.7514, 42.2174,
77.1255

■ 51.4165, 25.3395,
55.4915

■ 67.3078, 50.0470,
82.5997

■ 51.3978, 25.3231,
55.4200

■ 72.7835, 59.6729,
88.5114

■ 79.2309, 71.1994,
94.8793

■ 86.6986, 84.7230,
101.7206

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.



45.7023, 31.4741, 118.2369



56.1596, 31.4741, 67.4051



58.8353, 31.4741, 27.3022

Triad

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



56.1596, 31.4741, 67.4051



27.3715, 31.4741, 1.7045



15.0640, 31.4741, 89.9295

Complementary

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



56.1596, 31.4741, 67.4051



42.0329, 74.3828, 28.9746

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.



12.4748, 31.4741, 42.3325



56.1596, 31.4741, 67.4051



18.2600, 31.4741, 4.0059

Square

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



56.1596, 31.4741, 67.4051



39.9445, 31.4741, 2.4668



13.4661, 31.4741, 14.2889



21.7231, 31.4741, 136.2062

Rectangle

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



56.1596, 31.4741, 67.4051



55.3514, 31.4741, 12.5367



13.4661, 31.4741, 14.2889



13.7820, 31.4741, 72.6820

Sweetspot

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



56.1604, 31.4755, 67.4057



78.4042, 69.7124, 94.0904



27.8507, 16.2131, 96.2693



16.3864, 14.2122, 19.7562



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.



56.1604, 31.4755, 67.4057



53.2718, 27.3304, 61.4112



47.7542, 28.1130, 23.1391



18.6077, 18.2264, 21.8172



26.9155, 13.2555, 29.2693



2.6615, 1.3070, 3.0648

Inverse Universe

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



56.1604, 31.4755, 67.4057



53.2718, 27.3304, 61.4112



49.7890, 77.4852, 69.8176



18.6077, 18.2264, 21.8172



26.9155, 13.2555, 29.2693



2.6615, 1.3070, 3.0648

Previews

White Background



This preview shows how the XYZ color 56.1596, 31.4741, 67.4051 looks on a white background.

Color Contrast Check

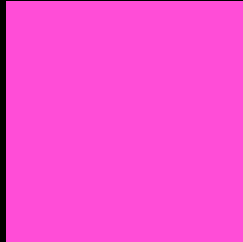
Large Text (above 18pt) WCAG AA × Fail

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 56.1596, 31.4741, 67.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

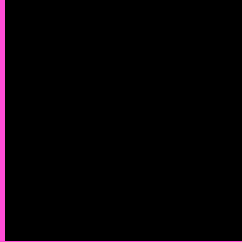
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.1596, 31.4741, 67.4051

Background



This preview shows how black text looks on a background with the XYZ color 56.1596, 31.4741, 67.4051.



This preview shows how white text looks on a background with the XYZ color 56.1596, 31.4741,

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

56.1596, 31.4741, 67.4051

Protanopia

34.9818, 31.9030, 98.9219

Deuteranopia

32.2867, 31.5756, 61.5198



Tritanopia

46.0084, 31.1657, 19.8103

Trichromacy



Original Color

56.1596, 31.4741, 67.4051



Protanomaly

37.5091, 28.0343, 85.8723



Deuteranomaly

37.5242, 28.5437, 63.2063



Tritanomaly

48.8357, 30.7398, 32.6376

Monochromacy



Original Color

56.1596, 31.4741, 67.4051



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

34.4378, 27.0541, 41.9350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1596, 31.4741, 67.4051 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, 77, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 215)  
}
```

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, 77, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 215) }
```

Border

The CSS property to change the border of an element to XYZ 56.1596, 31.4741, 67.4051 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, 77, 215) }
```


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

```
.border{ border-color:rgb(255, 77, 215) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1596, 31.4741, 67.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 215) }
```

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

```
.background{ background-color: rgb(255, 77,  
215) }
```

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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