

Converting Colors

XYZ(56.7963, 31.2402, 97.6442)

Have a look what the booklet for
XYZ(56.7963, 31.2402, 97.6442)
contains.

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Color

**XYZ(56.7096, 31.1940,
97.6399)**

Conversions

Conversions Part 1

Format	Color
Hex	F04EFF
RGB	240, 78, 255
RGB Percent	94%, 31%, 100%
CMY	0.0588, 0.6941, 0.0000
CMYK	0.06, 0.69, 0.00, 0.00
HSL	295°, 100%, 65%
HSV	295°, 69%, 100%
XYZ	56.7096, 31.1940, 97.6399
YIQ	146.6160, 39.7350, 89.3910

Conversions

Conversions Part 2

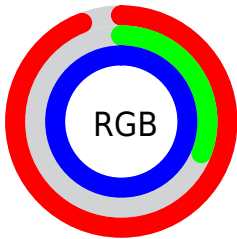
Format	Color
R _{YB}	240, 78, 255
Decimal	15748863
CIE Lab	62.67, 81.83, -57.22
CIE LCh	63, 99.854, 325.034
Yxy	31.1940, 0.3056, 0.1681
Android (android.graphics.Color)	4293938943 (0xFFFF04EFF)
YUV	146.6160, 53.4333, 81.8978
Hunter-Lab	55.8516, 83.5019, -64.5548

Details

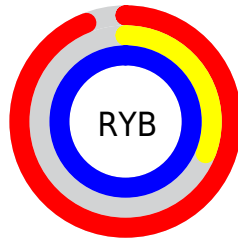
The XYZ color **56.7096, 31.1940, 97.6399** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **41.6500, 74.3975, 19.3739**, and the grayscale version is **27.3518, 28.7762, 31.3373**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **28.9004, 13.7345, 53.9511** is the 20% darker color. If you saturate the color by 10%, you get **54.5074, 27.8711, 97.1146**, and if you desaturate by 10%, it is **59.6247, 35.9277, 98.3999**.

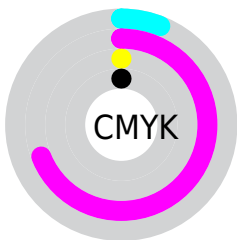
Distribution



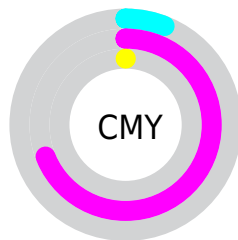
- Red (94%)
- Green (31%)
- Blue (100%)



- Red (94%)
- Yellow (31%)
- Blue (100%)



- Cyan (6%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7096, 31.1940, 97.6399 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 56.7096, 31.1940, 97.6399 by changing the saturation by 10% instead.


 56.7096, 31.1940,
97.6399


 56.7096, 31.1940,
97.6399

402.3920,
307.4311, 573.7811


 41.0114, 20.7466,
73.7251

 99.1751, 61.5454,
159.9335

 28.5157, 12.9389,
54.0737

 126.6732, 82.2182,
199.1495

 18.8572, 7.3865,
38.2670


 158.8351,
107.0682, 244.3029

 11.6705, 3.7050,
25.8865


 196.0264,
136.4799, 295.8124

 6.5903, 1.5099,
16.5138

238.6124,
170.8376, 354.0963

 3.2513, 0.2957,
9.7302

286.9585,

 1.2880, 0.0000,

210.5258, 419.5734

5.1172

341.4299,
255.9288, 492.6622

■ 0.1742, 0.0000,
2.2562

■ 0.0000, 0.0000,
0.7065

■ 56.7096, 31.1940,
97.6399

■ 56.7096, 31.1940,
97.6399

■ 54.5074, 27.8711,
97.1146

■ 59.6247, 35.9277,
98.3999

■ 52.9282, 25.7824,
96.7946

■ 63.3218, 42.2133,
99.4183

■ 51.8406, 24.6639,
96.6361

■ 67.8656, 50.1793,
100.7164

■ 51.7824, 24.6097,
96.6287

■ 73.3132, 59.9398,
102.3132

■ 79.7165, 71.5986,
104.2261

■ 87.1237, 85.2519,
106.4711

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.



42.1709, 31.1940, 157.3426



56.7096, 31.1940, 97.6399



64.1462, 31.1940, 40.8803

Triad

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



56.7096, 31.1940, 97.6399



31.9743, 31.1940, 0.5995



11.6861, 31.1940, 76.6225

Complementary

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



56.7096, 31.1940, 97.6399



41.6500, 74.3975, 19.3739

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.



10.4616, 31.1940, 27.8771



56.7096, 31.1940, 97.6399



19.8892, 31.1940, 1.2541

Square

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



56.7096, 31.1940, 97.6399



47.3348, 31.1940, 2.1206



12.9477, 31.1940, 6.5625



17.0293, 31.1940, 139.9805

Rectangle

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



56.7096, 31.1940, 97.6399



62.8202, 31.1940, 17.9861



12.9477, 31.1940, 6.5625



10.8653, 31.1940, 57.3754

Sweetspot

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



56.7108, 31.1953, 97.6401



78.6319, 69.6129, 103.9000



25.3485, 17.1521, 96.5824



16.4403, 14.1877, 22.1220



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.



56.7108, 31.1953, 97.6401



53.8736, 26.9891, 96.9777



52.6378, 30.1789, 48.5096



18.6319, 18.2175, 22.7843



27.1206, 12.8917, 50.4935



2.6835, 1.2773, 4.9184

Inverse Universe

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



45.9408, 27.5001, 13.2436



42.9666, 23.3533, 6.6982



44.3116, 75.3036, 40.5513



18.0718, 18.0121, 18.9955



21.6439, 11.1468, 1.5091



2.1277, 1.0935, 0.2540

Previews

White Background



This preview shows how the XYZ color 56.7096, 31.1940, 97.6399 looks on a white background.

Color Contrast Check

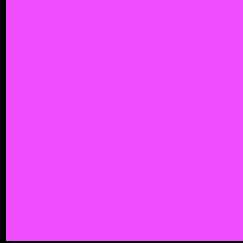
Large Text (above 18pt) WCAG AA × Fail

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 56.7096, 31.1940, 97.6399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

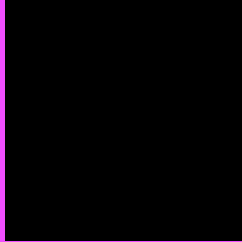
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7096, 31.1940, 97.6399

Background



This preview shows how black text looks on a background with the XYZ color 56.7096, 31.1940, 97.6399.



This preview shows how white text looks on a background with the XYZ color 56.7096, 31.1940,

97.6399.

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

56.7096, 31.1940, 97.6399

Protanopia

34.6231, 31.7181, 98.9051

Deuteranopia

32.5515, 31.5802, 89.1740



Tritanopia

41.4194, 30.8652, 24.5434

Trichromacy



Original Color

56.7096, 31.1940, 97.6399



Protanomaly

38.4594, 28.2559, 98.0347



Deuteranomaly

36.6998, 27.8667, 91.4402



Tritanomaly

45.4226, 30.0213, 43.9581

Monochromacy



Original Color

56.7096, 31.1940, 97.6399



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

34.8785, 27.2880, 49.8832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7096, 31.1940, 97.6399 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(240, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 78, 255)  
}
```

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(240, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 78, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.7096, 31.1940, 97.6399 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(240, 78, 255) }
```


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

```
.border{ border-color:rgb(240, 78, 255) }
```

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

Here you see how a box with a 4 pixel rgb(240, 78, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 78, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 78, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 78,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7096, 31.1940, 97.6399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 78, 255) }
```

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

```
.background{ background-color: rgb(240, 78,  
255) }
```

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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