

Converting Colors

XYZ(56.3595, 27.0939, 91.2111)

Have a look what the booklet for
XYZ(56.3595, 27.0939, 91.2111)
contains.

XYZ(56.3676, 27.1013, 91.0671)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.3676, 27.1013,
91.0671)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00F8
RGB	250, 0, 248
RGB Percent	98%, 0%, 97%
CMY	0.0196, 0.9998, 0.0274
CMYK	0.00, 1.00, 0.01, 0.02
HSL	300°, 100%, 49%
HSV	300°, 100%, 98%
XYZ	56.3676, 27.1013, 91.0671
YIQ	103.0220, 69.3920, 130.1280

Conversions

Conversions Part 2

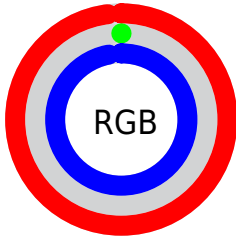
Format	Color
R_{YB}	250, 0, 248
Decimal	16384248
CIE _{Lab}	59.07, 96.51, -59.01
CIE _{LCh}	59, 113.123, 328.558
Yxy	27.1013, 0.3230, 0.1553
Android (android.graphics.Color)	4294574328 (0xFFFA00F8)
YUV	103.0220, 71.4742, 128.8997
Hunter-Lab	52.0589, 102.1706, -67.2753

Details

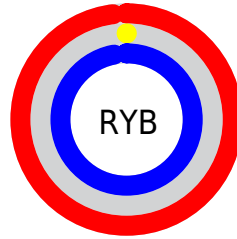
The XYZ color **56.3676, 27.1013, 91.0671** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.1978, 68.3769, 11.4544**, and the grayscale version is **12.7093, 13.3712, 14.5613**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **30.1430, 14.4530, 50.4912** is the 20% darker color. If you saturate the color by 10%, you get **56.3682, 27.1016, 91.0672**, and if you desaturate by 10%, it is **56.7479, 27.8112, 91.3473**.

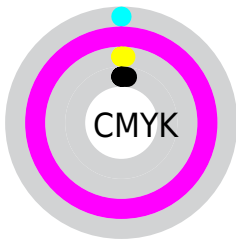
Distribution



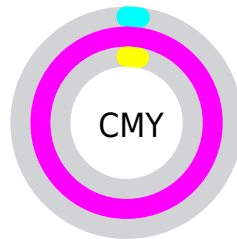
- Red (98%)
- Green (0%)
- Blue (97%)



- Red (98%)
- Yellow (0%)
- Blue (97%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3676, 27.1013, 91.0671 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 56.3676, 27.1013, 91.0671 by changing the saturation by 10% instead.

 56.3676, 27.1013,
91.0671

 56.3676, 27.1013,
91.0671

401.1280,
288.1473, 552.1554

 40.7359, 17.6493,
68.2873


 98.6785, 55.0464,
150.7682

 28.2995, 10.6985,
49.6634


 126.0885, 74.3083,
188.5266

 18.6932, 5.8645,
34.7767


 158.1552, 97.6089,
232.1150

 11.5515, 2.7629,
23.2087

 195.2440,
125.3327, 281.9519

 6.5091, 1.0092,
14.5410

 237.7204,
157.8640, 338.4559

 3.2006, 0.0000,
8.3548

285.9496,

 1.2607, 0.0000,

195.5873, 402.0454

4.2318

340.2970,
238.8869, 473.1391

■ 0.1535, 0.0000,
1.7534

■ 0.0000, 0.0000,
0.3969

■ 56.3676, 27.1013,
91.0671

■ 56.3676, 27.1013,
91.0671

■ 56.3682, 27.1016,
91.0672

■ 56.7479, 27.8112,
91.3473

■ 57.5729, 29.4115,
91.7758

■ 58.9807, 32.1771,
92.3987

■ 61.0542, 36.2743,
93.2436

63.8632, 41.8425,
94.3339

67.4687, 49.0034,
95.6899

71.9252, 57.8664,
97.3296

77.2825, 68.5309,
99.2698

83.5866, 81.0889,
101.5258

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.9531, 27.1013, 162.9906



56.3676, 27.1013, 91.0671



63.3061, 27.1013, 31.4987

Triad

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



56.3676, 27.1013, 91.0671



26.4448, 27.1013, 0.0000



8.5702, 27.1013, 84.1046

Complementary

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



56.3676, 27.1013, 91.0671



34.1978, 68.3769, 11.4544

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.



7.0905, 27.1013, 27.6043



56.3676, 27.1013, 91.0671



14.8819, 27.1013, 0.1735

Square

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



56.3676, 27.1013, 91.0671



42.5781, 27.1013, 0.3725



8.9008, 27.1013, 4.7527



14.0800, 27.1013, 156.9826

Rectangle

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



56.3676, 27.1013, 91.0671



60.7971, 27.1013, 11.0981



8.9008, 27.1013, 4.7527



7.6979, 27.1013, 61.6196

Sweetspot

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



56.3687, 27.1026, 91.0676



75.2116, 60.4807, 101.8015



17.2566, 6.9035, 90.8667



15.6537, 12.0607, 21.6269



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.



56.3687, 27.1026, 91.0676



58.9630, 28.3492, 95.2581



43.1285, 21.8065, 21.3456



17.9867, 17.5221, 21.7859



29.9018, 14.3765, 48.3190



2.7713, 1.3323, 4.4851

Inverse Universe

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



56.3687, 27.1026, 91.0676



58.9630, 28.3492, 95.2581



37.8898, 69.8537, 30.8958



17.9867, 17.5221, 21.7859



29.9018, 14.3765, 48.3190



2.7713, 1.3323, 4.4851

Previews

White Background



This preview shows how the XYZ color 56.3676, 27.1013, 91.0671 looks on a white background.

Color Contrast Check

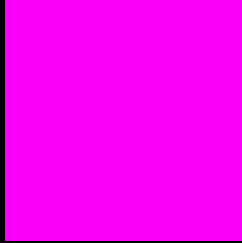
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.3676, 27.1013, 91.0671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

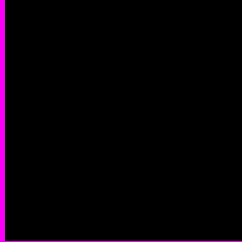
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.3676, 27.1013, 91.0671

Background



This preview shows how black text looks on a background with the XYZ color 56.3676, 27.1013, 91.0671.



This preview shows how white text looks on a background with the XYZ color 56.3676, 27.1013,

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

56.3676, 27.1013, 91.0671

Protanopia

31.2658, 27.9546, 98.3556

Deuteranopia

28.7057, 27.9044, 80.9639



Tritanopia

41.0343, 27.2110, 16.1862

Trichromacy



Original Color

56.3676, 27.1013, 91.0671



Protanomaly

32.9971, 20.2840, 94.2715



Deuteranomaly

31.2924, 20.0304, 83.1059



Tritanomaly

43.6586, 24.3708, 33.8555

Monochromacy



Original Color

56.3676, 27.1013, 91.0671



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

21.6593, 13.3646, 32.8906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3676, 27.1013, 91.0671 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(250, 0, 248)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 248)  
}
```

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(250, 0, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 248) }
```

Border

The CSS property to change the border of an element to XYZ 56.3676, 27.1013, 91.0671 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(250, 0, 248) }
```


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

```
.border{ border-color:rgb(250, 0, 248) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 248);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3676, 27.1013, 91.0671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 248) }
```

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

```
.background{ background-color: rgb(250, 0,  
248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor