

Converting Colors

XYZ(56.9691, 29.4043, 79.0468)

Have a look what the booklet for
XYZ(56.9691, 29.4043, 79.0468)
contains.

XYZ(56.9461, 29.3674, 79.0110)	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(56.9461, 29.3674,
79.0110)**

Conversions

Conversions Part 1

Format	Color
Hex	FF32E8
RGB	255, 50, 232
RGB Percent	100%, 20%, 91%
CMY	0.0000, 0.8039, 0.0902
CMYK	0.00, 0.80, 0.09, 0.00
HSL	307°, 100%, 60%
HSV	307°, 80%, 100%
XYZ	56.9461, 29.3674, 79.0110
YIQ	132.0430, 63.7580, 100.0620

Conversions

Conversions Part 2

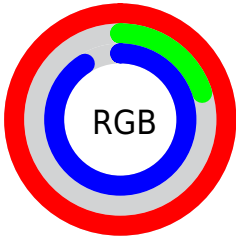
Format	Color
R _Y B	255, 50, 232
Decimal	16724712
CIE _{Lab}	61.10, 89.17, -46.79
CIE _{LCh}	61, 100.695, 332.314
Y _{xy}	29.3674, 0.3445, 0.1776
Android (android.graphics.Color)	4294914792 (0xFFFF32E8)
YUV	132.0430, 49.2788, 107.8333
Hunter-Lab	54.1917, 92.7372, -48.5101

Details

The XYZ color **56.9461, 29.3674, 79.0110** 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 **38.2791, 72.6797, 18.3167**, and the grayscale version is **21.7621, 22.8955, 24.9332**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **30.0846, 14.6039, 42.3075** is the 20% darker color. If you saturate the color by 10%, you get **55.7397, 27.5996, 76.6202**, and if you desaturate by 10%, it is **58.7665, 32.3523, 81.6397**.

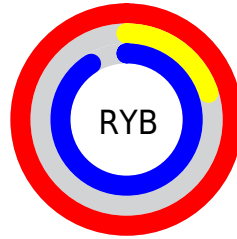
Distribution



Red (100%)

Green (20%)

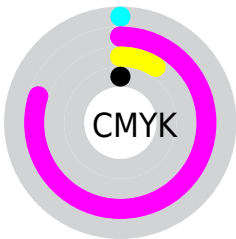
Blue (91%)



Red (100%)

Yellow (20%)

Blue (91%)

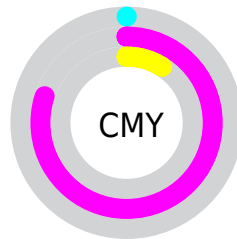


Cyan (0%)

Magenta (80%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9461, 29.3674, 79.0110 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 56.9461, 29.3674, 79.0110 by changing the saturation by 10% instead.


 56.9461, 29.3674,
79.0110


 56.9461, 29.3674,
79.0110


403.2648,
298.9445, 511.2122

 41.2019, 19.3589,
58.3835

 99.5183, 58.6603,
133.7732


 28.6653, 11.9299,
41.7003

 127.0771, 78.7135,
168.7449


 18.9708, 6.6960,
28.5429


 159.3049,
102.8838, 209.3351

 11.7530, 3.2727,
18.4927

 196.5669,
131.5555, 255.9623

 6.6467, 1.2757,
11.1312

 239.2285,
165.1130, 309.0451

 3.2865, 0.1223,
6.0399

287.6551,

 1.3070, 0.0000,

203.9408, 369.0019

2.8002

342.2121,
248.4231, 436.2515

■ 0.1885, 0.0000,
0.9935

■ 0.0000, 0.0000,
0.0000

■ 56.9461, 29.3674,
79.0110

■ 56.9461, 29.3674,
79.0110

■ 55.7397, 27.5996,
76.6202

■ 58.7665, 32.3523,
81.6397

■ 55.0209, 26.7724,
74.4993

■ 61.2869, 36.7268,
84.5343

■ 64.5818, 42.6395,
87.7199

■ 68.7154, 50.2189,
91.2182

73.7454, 59.5803,
95.0486

79.7242, 70.8284,
99.2286

86.7001, 84.0600,
103.7745

94.7184, 99.3652,
108.7016

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.



43.7907, 29.3674, 141.0829



56.9461, 29.3674, 79.0110



61.7124, 29.3674, 29.1307

Triad

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



56.9461, 29.3674, 79.0110



26.9008, 29.3674, 0.3313



11.4926, 29.3674, 88.6687

Complementary

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



56.9461, 29.3674, 79.0110



38.2791, 72.6797, 18.3167

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.



9.4623, 29.3674, 35.0010



56.9461, 29.3674, 79.0110



16.4283, 29.3674, 1.4900

Square

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



56.9461, 29.3674, 79.0110



41.4381, 29.3674, 1.1415



10.9349, 29.3674, 8.7035



17.7064, 29.3674, 149.1244

Rectangle

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



56.9461, 29.3674, 79.0110



58.5777, 29.3674, 11.5612



10.9349, 29.3674, 8.7035



10.4057, 29.3674, 68.2599

Sweetspot

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



56.9467, 29.3686, 79.0115



77.4513, 66.5402, 97.6768



21.7541, 10.8236, 95.5503



16.1249, 13.3906, 20.5892



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.



56.9467, 29.3686, 79.0115



55.2896, 27.0570, 75.3680



46.5466, 25.2086, 24.2452



18.6997, 18.2632, 22.3017



28.7848, 14.0032, 39.1127



2.8266, 1.3730, 3.9345

Inverse Universe

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



56.9467, 29.3686, 79.0115



55.2896, 27.0570, 75.3680



44.6194, 75.2158, 51.7044



18.6997, 18.2632, 22.3017



28.7848, 14.0032, 39.1127



2.8266, 1.3730, 3.9345

Previews

White Background



This preview shows how the XYZ color 56.9461, 29.3674, 79.0110 looks on a white background.

Color Contrast Check

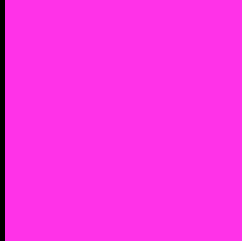
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.9461, 29.3674, 79.0110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

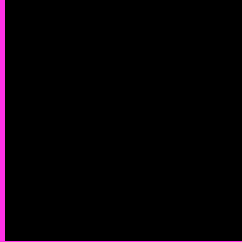
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.9461, 29.3674, 79.0110

Background



This preview shows how black text looks on a background with the XYZ color 56.9461, 29.3674, 79.0110.



This preview shows how white text looks on a background with the XYZ color 56.9461, 29.3674,

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

56.9461, 29.3674, 79.0110

Protanopia

32.9530, 29.7079, 98.6051

Deuteranopia

30.4224, 29.6949, 71.1461



Tritanopia

44.1732, 29.2306, 17.2238

Trichromacy



Original Color

56.9461, 29.3674, 79.0110



Protanomaly

35.6909, 24.7373, 90.8893



Deuteranomaly

35.1851, 25.1856, 73.5279



Tritanomaly

47.0426, 28.0757, 32.6455

Monochromacy



Original Color

56.9461, 29.3674, 79.0110



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

29.9507, 21.6770, 39.6513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9461, 29.3674, 79.0110 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, 50, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 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, 50, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 232) }
```

Border

The CSS property to change the border of an element to XYZ 56.9461, 29.3674, 79.0110 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, 50, 232) }
```


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

```
.border{ border-color:rgb(255, 50, 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, 50, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9461, 29.3674, 79.0110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 232) }
```

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

```
.background{ background-color: rgb(255, 50,  
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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