

Converting Colors

XYZ(51.4384, 26.4020, 78.6505)

Have a look what the booklet for
XYZ(51.4384, 26.4020, 78.6505)
contains.

XYZ(51.5576, 26.4654, 78.7349)	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(51.5576, 26.4654,
78.7349)**

Conversions

Conversions Part 1

Format	Color
Hex	F030E8
RGB	240, 48, 232
RGB Percent	94%, 19%, 91%
CMY	0.0588, 0.8117, 0.0902
CMYK	0.00, 0.80, 0.03, 0.06
HSL	303°, 86%, 56%
HSV	303°, 80%, 94%
XYZ	51.5576, 26.4654, 78.7349
YIQ	126.3840, 55.3680, 97.9280

Conversions

Conversions Part 2

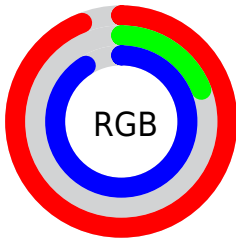
Format	Color
R _Y B	240, 48, 232
Decimal	15741160
CIE _{Lab}	58.48, 86.76, -51.11
CIE _{LCh}	58, 100.692, 329.499
Y _{xy}	26.4654, 0.3289, 0.1688
Android (android.graphics.Color)	4293931240 (0xFFFF030E8)
Y _{UV}	126.3840, 52.0687, 99.6412
Hunter-Lab	51.4445, 88.8644, -54.7311

Details

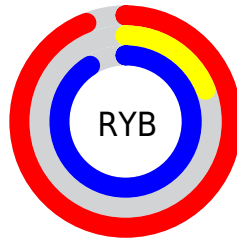
The XYZ color **51.5576, 26.4654, 78.7349** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **33.0941, 63.2352, 14.2045**, and the grayscale version is **19.7793, 20.8093, 22.6614**.

A 20% lighter version of the original color is **65.7684, 41.4369, 99.1395**, and **26.4269, 12.7183, 42.1363** is the 20% darker color. If you saturate the color by 10%, you get **50.6863, 24.9488, 77.7457**, and if you desaturate by 10%, it is **52.9619, 29.0451, 79.9061**.

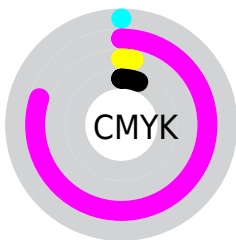
Distribution



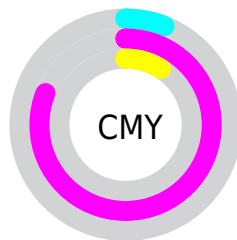
- Red (94%)
- Green (19%)
- Blue (91%)



- Red (94%)
- Yellow (19%)
- Blue (91%)



- Cyan (0%)
- Magenta (80%)
- Yellow (3%)
- Black (6%)





- Cyan (6%)
- Magenta (81%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5576, 26.4654, 78.7349 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 51.5576, 26.4654, 78.7349 by changing the saturation by 10% instead.


 51.5576, 26.4654,
78.7349


 51.5576, 26.4654,
78.7349


383.0784,
285.0593, 510.2530


 36.8754, 17.1721,
58.1578


 91.6566, 54.0248,
133.3809


 25.2843, 10.3573,
41.5200


 117.8040, 73.0597,
168.2869


 16.4188, 5.6365,
28.4029


 148.5040, 96.1107,
208.8062

 9.9137, 2.6253,
18.3879

 184.1218,
123.5620, 255.3576

 5.4036, 0.9394,
11.0565

 225.0228,
155.7981, 308.3593

 2.5231, 0.0000,
5.9902

271.5723,

 0.9069, 0.0000,

193.2035, 368.2301

2.7704

324.1357,
236.1624, 435.3885

■ 0.0000, 0.0000,
0.9786

■ 0.0000, 0.0000,
0.0000

■ 51.5576, 26.4654,
78.7349

■ 51.5576, 26.4654,
78.7349

■ 50.6863, 24.9488,
77.7457

■ 52.9619, 29.0451,
79.9061

■ 50.2187, 24.2389,
76.8948

■ 54.9710, 32.8341,
81.2828

■ 50.2185, 24.2386,
76.8944

■ 57.6492, 37.9598,
82.8865

■ 61.0513, 44.5322,
84.7355

65.2269, 52.6502,
86.8464

70.2210, 62.4038,
89.2341

76.0752, 73.8763,
91.9125

82.8282, 87.1451,
94.8946

87.5731, 96.3965,
97.2114

Harmonies

Analogous

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



38.7027, 26.4654, 137.2491



51.5576, 26.4654, 78.7349



57.0240, 26.4654, 29.4136

Triad

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



51.5576, 26.4654, 78.7349



25.3623, 26.4654, 0.0093



9.6653, 26.4654, 76.7437

Complementary

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



51.5576, 26.4654, 78.7349



33.0941, 63.2352, 14.2045

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.



8.1330, 26.4654, 28.2271



51.5576, 26.4654, 78.7349



15.2068, 26.4654, 0.9216

Square

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



51.5576, 26.4654, 78.7349



39.1828, 26.4654, 0.9833



9.7752, 26.4654, 6.2865



14.9517, 26.4654, 135.5766

Rectangle

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



51.5576, 26.4654, 78.7349



54.7149, 26.4654, 11.5949



9.7752, 26.4654, 6.2865



8.7889, 26.4654, 57.8826

Sweetspot

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



51.5586, 26.4666, 78.7354



78.1293, 66.8114, 101.2475



18.3294, 9.2020, 83.2491



16.2909, 13.4570, 21.4637



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.



51.5586, 26.4666, 78.7354



57.8014, 28.0617, 88.5949



41.5521, 22.4640, 26.0419



16.4241, 16.0194, 19.7897



27.5029, 13.2736, 42.1602



2.2968, 1.1077, 3.5536

Inverse Universe

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



51.5586, 26.4666, 78.7354



57.8014, 28.0617, 88.5949



37.9178, 65.1647, 39.6057



16.4241, 16.0194, 19.7897



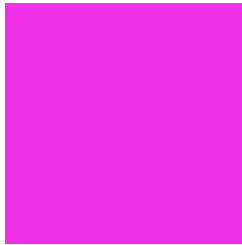
27.5029, 13.2736, 42.1602



2.2968, 1.1077, 3.5536

Previews

White Background



This preview shows how the XYZ color 51.5576, 26.4654, 78.7349 looks on a white background.

Color Contrast Check

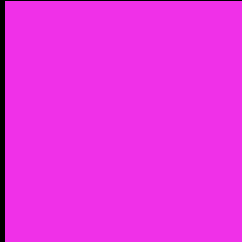
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.5576, 26.4654, 78.7349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

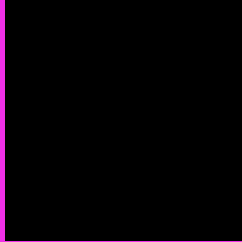
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.5576, 26.4654, 78.7349

Background



This preview shows how black text looks on a background with the XYZ color 51.5576, 26.4654, 78.7349.



This preview shows how white text looks on a background with the XYZ color 51.5576, 26.4654,

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

51.5576, 26.4654, 78.7349

Protanopia

30.3890, 26.8607, 98.1907

Deuteranopia

27.5666, 26.8736, 70.7520



Tritanopia

38.7419, 26.2952, 16.6692

Trichromacy



Original Color

51.5576, 26.4654, 78.7349



Protanomaly

32.4875, 22.3075, 90.5892



Deuteranomaly

31.4747, 22.4765, 73.2005



Tritanomaly

41.8149, 25.1601, 32.3583

Monochromacy



Original Color

51.5576, 26.4654, 78.7349



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

27.0956, 19.6675, 37.9654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5576, 26.4654, 78.7349 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, 48, 232)` looks like.

```
.text, #text, p{  
    color:rgb(240, 48, 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(240, 48, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 48, 232) }
```

Border

The CSS property to change the border of an element to XYZ 51.5576, 26.4654, 78.7349 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, 48, 232) }
```


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

```
.border{ border-color:rgb(240, 48, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 48, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 48, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 48, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 48,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5576, 26.4654, 78.7349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 48, 232) }
```

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

```
.background{ background-color: rgb(240, 48,  
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](#).

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