

Converting Colors

XYZ(51.1842, 25.6010, 96.8515)

Have a look what the booklet for
XYZ(51.1842, 25.6010, 96.8515)
contains.

XYZ(51.2270, 25.6058, 96.8502)	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(51.2270, 25.6058,
96.8502)**

Conversions

Conversions Part 1

Format	Color
Hex	E52BFF
RGB	229, 43, 255
RGB Percent	90%, 17%, 100%
CMY	0.1020, 0.8313, 0.0000
CMYK	0.10, 0.83, 0.00, 0.00
HSL	293°, 100%, 58%
HSV	293°, 83%, 100%
XYZ	51.2270, 25.6058, 96.8502
YIQ	122.7820, 42.8040, 105.3640

Conversions

Conversions Part 2

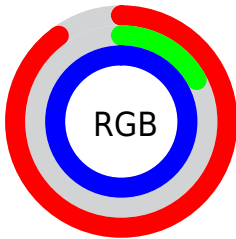
Format	Color
R _{YB}	229, 43, 255
Decimal	15019007
CIE Lab	57.66, 89.40, -65.34
CIE LCh	58, 110.732, 323.837
Yxy	25.6058, 0.2949, 0.1474
Android (android.graphics.Color)	4293209087 (0xFFE52BFF)
YUV	122.7820, 65.1835, 93.1532
Hunter-Lab	50.6022, 92.1503, -78.0568

Details

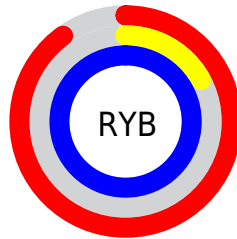
The XYZ color **51.2270, 25.6058, 96.8502** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **38.6510, 72.9600, 14.3321**, and the grayscale version is **18.5398, 19.5053, 21.2413**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **26.2265, 12.3560, 53.8260** is the 20% darker color. If you saturate the color by 10%, you get **49.5833, 23.7854, 96.5855**, and if you desaturate by 10%, it is **53.4689, 28.5937, 97.3088**.

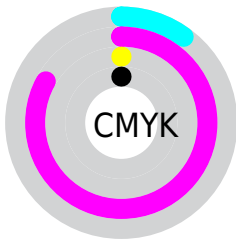
Distribution



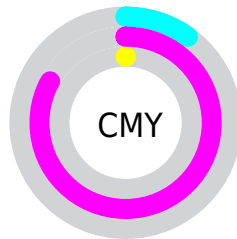
- Red (90%)
- Green (17%)
- Blue (100%)



- Red (90%)
- Yellow (17%)
- Blue (100%)



- Cyan (10%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2270, 25.6058, 96.8502 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 51.2270, 25.6058, 96.8502 by changing the saturation by 10% instead.


 51.2270, 25.6058,
96.8502


 51.2270, 25.6058,
96.8502


381.8182,
280.8416, 571.2063

 36.6111, 16.5290,
73.0705


 91.1712, 52.6383,
158.8358

 25.0788, 9.8992,
53.5414


 117.2302, 71.3628,
197.8787


 16.2648, 5.3322,
37.8445


 147.8343, 94.0719,
242.8464

 9.8038, 2.4435,
25.5611

 183.3488,
121.1502, 294.1575

 5.3303, 0.8481,
16.2728

 224.1391,
152.9818, 352.2305

 2.4791, 0.0000,
9.5609

270.5705,

 0.8847, 0.0000,

189.9514, 417.4840

5.0071

323.0085,
232.4431, 490.3364

■ 0.0000, 0.0000,
2.1926

■ 0.0000, 0.0000,
0.6701

■ 51.2270, 25.6058,
96.8502

■ 51.2270, 25.6058,
96.8502

■ 49.5833, 23.7854,
96.5855

■ 53.4689, 28.5937,
97.3088

■ 48.7061, 23.0238,
96.4847

■ 56.3994, 32.9331,
97.9919

■ 60.0967, 38.7791,
98.9254

■ 64.6273, 46.2648,
100.1315

70.0507, 55.5086,
101.6299

76.4206, 66.6181,
103.4385

83.7865, 79.6921,
105.5738

92.1943, 94.8224,
108.0511

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.



36.1468, 25.6058, 161.9274



51.2270, 25.6058, 96.8502



59.4469, 25.6058, 36.4656

Triad

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



51.2270, 25.6058, 96.8502



27.1750, 25.6058, 0.0000



7.6860, 25.6058, 68.9565

Complementary

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



51.2270, 25.6058, 96.8502



38.6510, 72.9600, 14.3321

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.



6.7847, 25.6058, 20.7609



51.2270, 25.6058, 96.8502



15.4291, 25.6058, 0.0000

Square

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



51.2270, 25.6058, 96.8502



42.6677, 25.6058, 0.7003



9.0248, 25.6058, 3.1907



12.1919, 25.6058, 137.9243

Rectangle

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



51.2270, 25.6058, 96.8502



58.3801, 25.6058, 13.8236



9.0248, 25.6058, 3.1907



7.0404, 25.6058, 49.2106

Sweetspot

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



51.2280, 25.6069, 96.8503



75.1573, 64.3980, 103.0766



21.3175, 12.2754, 95.8536



15.5978, 12.9287, 21.9233



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.



51.2280, 25.6069, 96.8503



48.7061, 23.0238, 96.4847



50.0670, 26.1736, 44.1496



18.5605, 18.1807, 22.7809



25.5365, 12.0750, 50.4194



2.5454, 1.2061, 4.9119

Inverse Universe

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



43.1787, 23.4183, 7.8759



41.4909, 21.3604, 3.2514



40.1919, 73.4079, 30.0564



18.1000, 18.0233, 19.1437



21.7080, 11.1725, 1.8471



2.1410, 1.0988, 0.3237

Previews

White Background



This preview shows how the XYZ color 51.2270, 25.6058, 96.8502 looks on a white background.

Color Contrast Check

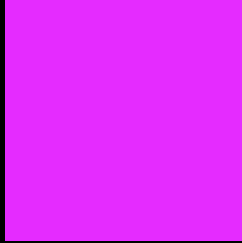
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.2270, 25.6058, 96.8502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

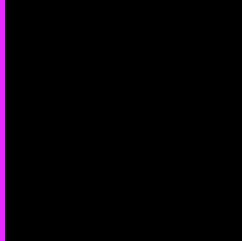
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.2270, 25.6058, 96.8502

Background



This preview shows how black text looks on a background with the XYZ color 51.2270, 25.6058, 96.8502.



This preview shows how white text looks on a background with the XYZ color 51.2270, 25.6058,

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

51.2270, 25.6058, 96.8502

Protanopia

29.6156, 26.0438, 98.0738

Deuteranopia

26.8862, 25.9478, 86.8105



Tritanopia

34.9986, 25.3492, 18.6710

Trichromacy



Original Color

51.2270, 25.6058, 96.8502



Protanomaly

32.1614, 21.5480, 97.0718



Deuteranomaly

29.2939, 20.6789, 89.6363



Tritanomaly

38.7982, 23.8086, 38.1479

Monochromacy



Original Color

51.2270, 25.6058, 96.8502



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

26.2537, 18.6271, 40.7397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2270, 25.6058, 96.8502 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(229, 43, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 43, 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(229, 43, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 43, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.2270, 25.6058, 96.8502 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(229, 43, 255) }
```


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

```
.border{ border-color:rgb(229, 43, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 43, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 43, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 43, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 43,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2270, 25.6058, 96.8502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 43, 255) }
```

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

```
.background{ background-color: rgb(229, 43,  
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](#).

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