

Converting Colors

XYZ(51.1653, 26.0489, 96.9390)

Have a look what the booklet for
XYZ(51.1653, 26.0489, 96.9390)
contains.

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Color

**XYZ(51.2287, 26.0816,
96.9419)**

Conversions

Conversions Part 1

Format	Color
Hex	E433FF
RGB	228, 51, 255
RGB Percent	89%, 20%, 100%
CMY	0.1059, 0.8000, 0.0000
CMYK	0.11, 0.80, 0.00, 0.00
HSL	292°, 100%, 60%
HSV	292°, 80%, 100%
XYZ	51.2287, 26.0816, 96.9419
YIQ	127.1790, 40.0080, 100.9680

Conversions

Conversions Part 2

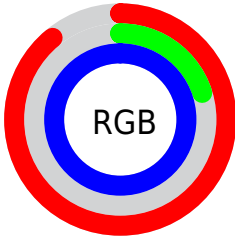
Format	Color
R _{YB}	228, 51, 255
Decimal	14955519
CIE _{Lab}	58.11, 87.45, -64.62
CIE _{LCh}	58, 108.733, 323.537
Y _{xy}	26.0816, 0.2940, 0.1497
Android (android.graphics.Color)	4293145599 (0xFFE433FF)
YUV	127.1790, 63.0158, 88.4200
Hunter-Lab	51.0701, 89.6814, -76.7958

Details

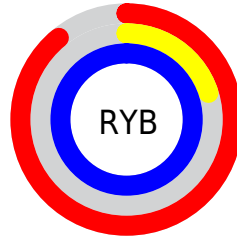
The XYZ color **51.2287, 26.0816, 96.9419** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **39.5001, 73.3790, 15.2146**, and the grayscale version is **20.0168, 21.0593, 22.9335**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **26.2265, 12.3560, 53.8260** is the 20% darker color. If you saturate the color by 10%, you get **49.3438, 23.8849, 96.6173**, and if you desaturate by 10%, it is **53.7464, 29.5109, 97.4712**.

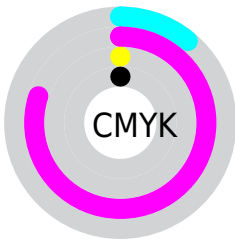
Distribution



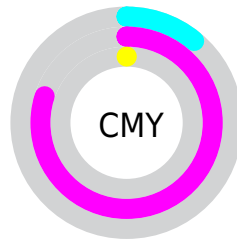
- Red (89%)
- Green (20%)
- Blue (100%)



- Red (89%)
- Yellow (20%)
- Blue (100%)



- Cyan (11%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2287, 26.0816, 96.9419 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 51.2287, 26.0816, 96.9419 by changing the saturation by 10% instead.


 51.2287, 26.0816,
96.9419


 51.2287, 26.0816,
96.9419

381.8247,
283.1824, 571.5056

 36.6124, 16.8847,
73.1465


 91.1737, 53.4066,
158.9633


 25.0799, 10.1523,
53.6032


 117.2332, 72.3034,
198.0263


 16.2656, 5.5001,
37.8935


 147.8378, 95.2023,
243.0157

 9.8043, 2.5435,
25.5989

 183.3528,
122.4878, 294.3498

 5.3307, 0.8984,
16.3007

 224.1437,
154.5441, 352.4474

 2.4793, 0.0000,
9.5805

270.5757,

 0.8848, 0.0000,

191.7557, 417.7268

5.0198

323.0143,
234.5070, 490.6067

■ 0.0000, 0.0000,
2.1999

■ 0.0000, 0.0000,
0.6743

■ 51.2287, 26.0816,
96.9419

■ 51.2287, 26.0816,
96.9419

■ 49.3438, 23.8849,
96.6173

■ 53.7464, 29.5109,
97.4712

■ 47.9458, 22.6320,
96.4491

■ 56.9812, 34.3443,
98.2336

■ 47.9454, 22.6316,
96.4491

■ 61.0076, 40.7294,
99.2538

■ 65.8897, 48.7943,
100.5532

■ 71.6848, 58.6536,
102.1508

■ 78.4454, 70.4120,
104.0641

■ 86.2197, 84.1659,
106.3091

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.



36.3346, 26.0816, 160.1935



51.2287, 26.0816, 96.9419



59.4074, 26.0816, 37.3647

Triad

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



51.2287, 26.0816, 96.9419



27.7495, 26.0816, 0.0000



8.0713, 26.0816, 68.3005

Complementary

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



51.2287, 26.0816, 96.9419



39.5001, 73.3790, 15.2146

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.



7.1853, 26.0816, 20.9952



51.2287, 26.0816, 96.9419



15.9929, 26.0816, 0.0357

Square

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



51.2287, 26.0816, 96.9419



43.0815, 26.0816, 0.8913



9.4962, 26.0816, 3.4297



12.5841, 26.0816, 135.7026

Rectangle

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



51.2287, 26.0816, 96.9419



58.4414, 26.0816, 14.5847



9.4962, 26.0816, 3.4297



7.4255, 26.0816, 48.9720

Sweetspot

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



51.2298, 26.0827, 96.9421



75.6199, 65.4706, 103.2592



22.1548, 13.4023, 96.0270



15.6762, 13.1286, 21.9578



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.



51.2298, 26.0827, 96.9421



48.4694, 23.0661, 96.5053



50.6831, 26.9319, 45.8156



18.5423, 18.1713, 22.7801



25.1445, 11.8730, 50.4010



2.5111, 1.1884, 4.9103

Inverse Universe

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



43.7995, 24.1785, 9.5673



41.7794, 21.6529, 4.2245



40.8790, 73.7253, 31.7487



18.1072, 18.0262, 19.1818



21.7276, 11.1803, 1.9503



2.1444, 1.1001, 0.3416

Previews

White Background



This preview shows how the XYZ color 51.2287, 26.0816, 96.9419 looks on a white background.

Color Contrast Check

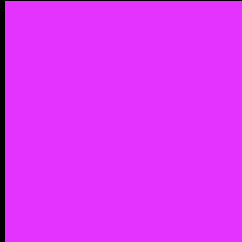
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.2287, 26.0816, 96.9419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

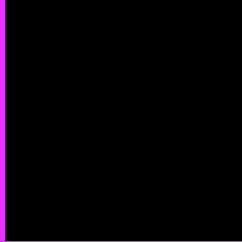
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.2287, 26.0816, 96.9419

Background



This preview shows how black text looks on a background with the XYZ color 51.2287, 26.0816, 96.9419.



This preview shows how white text looks on a background with the XYZ color 51.2287, 26.0816,

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

51.2287, 26.0816, 96.9419

Protanopia

29.9960, 26.4480, 98.1318

Deuteranopia

27.2655, 26.3613, 86.8703



Tritanopia

35.0933, 25.6877, 19.6316

Trichromacy



Original Color

51.2287, 26.0816, 96.9419



Protanomaly

32.7744, 22.3097, 97.1865



Deuteranomaly

29.8823, 21.4439, 89.7529



Tritanomaly

38.9985, 24.3581, 39.2054

Monochromacy



Original Color

51.2287, 26.0816, 96.9419



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

27.4117, 19.8722, 42.4354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2287, 26.0816, 96.9419 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(228, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 51, 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(228, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.2287, 26.0816, 96.9419 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(228, 51, 255) }
```


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

```
.border{ border-color:rgb(228, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(228, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2287, 26.0816, 96.9419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 51, 255) }
```

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

```
.background{ background-color: rgb(228, 51,  
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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