

Converting Colors

XYZ(51.3771, 26.1910, 92.3152)

Have a look what the booklet for
XYZ(51.3771, 26.1910, 92.3152)
contains.

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Color

**XYZ(51.1945, 26.1097,
91.9640)**

Conversions

Conversions Part 1

Format	Color
Hex	E732F9
RGB	231, 50, 249
RGB Percent	91%, 20%, 98%
CMY	0.0941, 0.8039, 0.0235
CMYK	0.07, 0.80, 0.00, 0.02
HSL	295°, 94%, 59%
HSV	295°, 80%, 98%
XYZ	51.1945, 26.1097, 91.9640
YIQ	126.8050, 43.9970, 100.2610

Conversions

Conversions Part 2

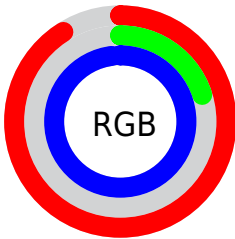
Format	Color
R _Y B	231, 50, 249
Decimal	15151865
CIE Lab	58.14, 87.24, -61.22
CIE LCh	58, 106.581, 324.941
Yxy	26.1097, 0.3024, 0.1543
Android (android.graphics.Color)	4293341945 (0xFFE732F9)
YUV	126.8050, 60.2421, 91.3790
Hunter-Lab	51.0977, 89.4174, -70.9400

Details

The XYZ color **51.1945, 26.1097, 91.9640** 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 **36.8362, 69.2113, 14.4363**, and the grayscale version is **19.8977, 20.9339, 22.7970**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **26.3090, 12.4637, 50.8883** is the 20% darker color. If you saturate the color by 10%, you get **49.6822, 24.1564, 91.6671**, and if you desaturate by 10%, it is **53.2962, 29.2259, 92.4551**.

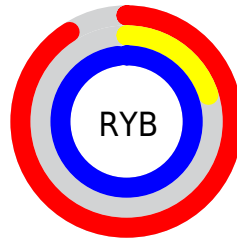
Distribution



Red (91%)

Green (20%)

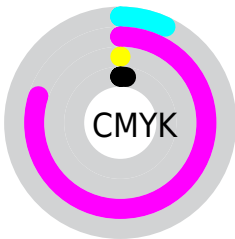
Blue (98%)



Red (91%)

Yellow (20%)

Blue (98%)

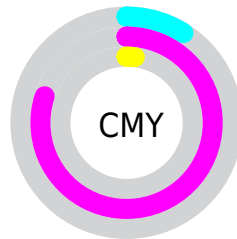


Cyan (7%)

Magenta (80%)

Yellow (0%)

Black (2%)



Cyan (9%)


Magenta (80%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1945, 26.1097, 91.9640 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 51.1945, 26.1097, 91.9640 by changing the saturation by 10% instead.


 51.1945, 26.1097,
91.9640


 51.1945, 26.1097,
91.9640

381.6942,
283.3202, 555.1333

 36.5851, 16.9057,
69.0279


 91.1235, 53.4519,
152.0228


 25.0586, 10.1673,
50.2625


 117.1738, 72.3588,
189.9825


 16.2497, 5.5100,
35.2494


 147.7684, 95.2690,
233.7871

 9.7930, 2.5495,
23.5699

 183.2728,
122.5666, 283.8552

 5.3231, 0.9013,
14.8057

 224.0522,
154.6361, 340.6054

 2.4748, 0.0000,
8.5380

270.4720,

 0.8825, 0.0000,

191.8620, 404.4560

4.3484

322.8975,
234.6285, 475.8258

■ 0.0000, 0.0000,
1.8184

■ 0.0000, 0.0000,
0.4400

■ 51.1945, 26.1097,
91.9640

■ 51.1945, 26.1097,
91.9640

■ 49.6822, 24.1564,
91.6671

■ 53.2962, 29.2259,
92.4551

■ 48.6215, 23.0934,
91.5178

■ 56.0663, 33.6659,
93.1661

■ 48.6133, 23.0858,
91.5168

■ 59.5747, 39.5688,
94.1206

■ 63.8819, 47.0550,
95.3385

69.0419, 56.2328,
96.8381

75.1040, 67.2006,
98.6356

82.1137, 80.0494,
100.7462

90.1134, 94.8641,
103.1841

92.7406, 98.9193,
103.8283

Harmonies

Analogous

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



36.8281, 26.1097, 153.9411



51.1945, 26.1097, 91.9640



58.6760, 26.1097, 35.1727

Triad

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



51.1945, 26.1097, 91.9640



27.0713, 26.1097, 0.0000



8.4244, 26.1097, 70.1928

Complementary

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



51.1945, 26.1097, 91.9640



36.8362, 69.2113, 14.4363

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.



7.3902, 26.1097, 22.6076



51.1945, 26.1097, 91.9640



15.7498, 26.1097, 0.2517

Square

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



51.1945, 26.1097, 91.9640



41.9863, 26.1097, 0.9089



9.5356, 26.1097, 4.0217



13.1116, 26.1097, 135.4014

Rectangle

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



51.1945, 26.1097, 91.9640



57.3678, 26.1097, 13.7542



9.5356, 26.1097, 4.0217



7.7263, 26.1097, 50.9858

Sweetspot

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



51.1956, 26.1108, 91.9645



76.5300, 65.9398, 103.3018



20.5993, 11.8868, 90.8316



15.8987, 13.2433, 21.9682



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.



51.1956, 26.1108, 91.9645



51.7187, 24.7412, 96.6574



47.4075, 25.3016, 40.1204



17.8291, 17.4401, 21.8119



26.0854, 12.3902, 48.9902



2.4599, 1.1702, 4.5394

Inverse Universe

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



41.2517, 22.8393, 7.7043



41.6161, 21.5876, 3.3644



39.1946, 70.0312, 32.4323



17.3083, 17.2507, 18.2135



21.0136, 10.8212, 1.5142



1.9671, 1.0106, 0.2503

Previews

White Background



This preview shows how the XYZ color 51.1945, 26.1097, 91.9640 looks on a white background.

Color Contrast Check

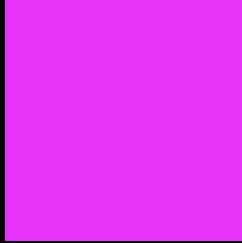
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.1945, 26.1097, 91.9640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

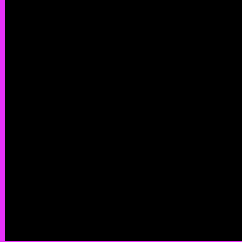
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.1945, 26.1097, 91.9640

Background



This preview shows how black text looks on a background with the XYZ color 51.1945, 26.1097, 91.9640.



This preview shows how white text looks on a background with the XYZ color 51.1945, 26.1097,

91.9640.

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

51.1945, 26.1097, 91.9640

Protanopia

29.9960, 26.4480, 98.1318

Deuteranopia

27.2679, 26.4644, 82.2682



Tritanopia

36.1590, 25.9474, 18.7253

Trichromacy



Original Color

51.1945, 26.1097, 91.9640



Protanomaly

32.6127, 22.2633, 95.5069



Deuteranomaly

30.2967, 21.7622, 85.0418



Tritanomaly

39.6682, 24.6364, 36.8470

Monochromacy



Original Color

51.1945, 26.1097, 91.9640



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

27.3296, 19.8633, 40.9216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1945, 26.1097, 91.9640 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(231, 50, 249)` looks like.

```
.text, #text, p{  
    color:rgb(231, 50, 249)  
}
```

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(231, 50, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 50, 249) }
```

Border

The CSS property to change the border of an element to XYZ 51.1945, 26.1097, 91.9640 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(231, 50, 249) }
```


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

```
.border{ border-color:rgb(231, 50, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 50, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 50, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 50, 249);  
box-shadow:4px 4px 4px 4px rgb(231, 50,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1945, 26.1097, 91.9640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 50, 249) }
```

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

```
.background{ background-color: rgb(231, 50,  
249) }
```

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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