

Converting Colors

XYZ(52.0233, 31.6199, 87.3666)

Have a look what the booklet for
XYZ(52.0233, 31.6199, 87.3666)
contains.

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Color

**XYZ(51.8529, 31.5032,
87.3522)**

Conversions

Conversions Part 1

Format	Color
Hex	E263F2
RGB	226, 99, 242
RGB Percent	89%, 39%, 95%
CMY	0.1137, 0.6117, 0.0510
CMYK	0.07, 0.59, 0.00, 0.05
HSL	293°, 85%, 67%
HSV	293°, 59%, 95%
XYZ	51.8529, 31.5032, 87.3522
YIQ	153.2750, 29.7890, 71.3970

Conversions

Conversions Part 2

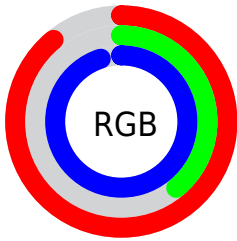
Format	Color
R _Y B	226, 99, 242
Decimal	14836722
CIE Lab	62.93, 68.34, -49.75
CIE LCh	63, 84.529, 323.944
Yxy	31.5032, 0.3038, 0.1845
Android (android.graphics.Color)	4293026802 (0xFFE263F2)
YUV	153.2750, 43.7414, 63.7798
Hunter-Lab	56.1277, 66.6815, -52.9843

Details

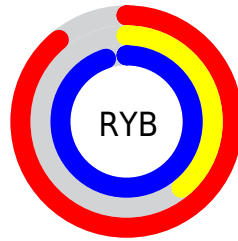
The XYZ color **51.8529, 31.5032, 87.3522** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **41.0754, 68.0507, 22.7759**, and the grayscale version is **30.2056, 31.7786, 34.6069**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **25.3549, 13.0414, 47.0798** is the 20% darker color. If you saturate the color by 10%, you get **49.0522, 27.1514, 86.6603**, and if you desaturate by 10%, it is **55.3560, 37.2380, 88.2750**.

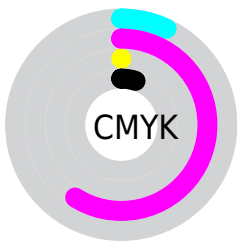
Distribution



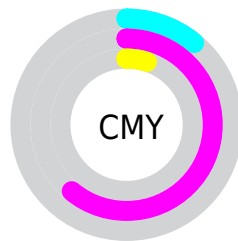
- Red (89%)
- Green (39%)
- Blue (95%)



- Red (89%)
- Yellow (39%)
- Blue (95%)



- Cyan (7%)
- Magenta (59%)
- Yellow (0%)
- Black (5%)





- Cyan (11%)
- Magenta (61%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8529, 31.5032, 87.3522 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 51.8529, 31.5032, 87.3522 by changing the saturation by 10% instead.


 51.8529, 31.5032,
87.3522


 51.8529, 31.5032,
87.3522


384.2017,
308.8499, 539.7257


 37.1116, 20.9823,
65.2254


 92.0898, 62.0314,
145.5581


 25.4680, 13.1111,
47.1914


 118.3161, 82.8076,
182.4744

 16.5567, 7.5051,
32.8315


 149.1015,
107.7710, 225.1575

 10.0123, 3.7799,
21.7274

 184.8113,
137.3060, 274.0261

 5.4694, 1.5512,
13.4603

225.8108,
171.7970, 329.4987

 2.5628, 0.3244,
7.6118

272.4655,

 0.9270, 0.0000,

211.6283, 391.9938

3.7634

325.1407,
257.1845, 461.9300

■ 0.0000, 0.0000,
1.4965

■ 0.0000, 0.0000,
0.2153

■ 51.8529, 31.5032,
87.3522

■ 51.8529, 31.5032,
87.3522

■ 49.0522, 27.1514,
86.6603

■ 55.3560, 37.2380,
88.2750

■ 46.8869, 24.0515,
86.1761


■ 59.6138, 44.4630,
89.4451


■ 45.2829, 22.0545,
85.8752


■ 64.6773, 53.2794,
90.8800


■ 44.1259, 20.9318,
85.7194


■ 70.5922, 63.7786,
92.5948


 44.0295, 20.8466,
85.7081

 77.4009, 76.0449,
94.6036

 85.1426, 90.1570,
96.9194

 89.4275, 97.3352,
98.0791

 90.3789, 97.8256,
98.1237

 91.3442, 98.3233,
98.1688

Harmonies

Analogous

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



39.9447, 31.5032, 132.1577



51.8529, 31.5032, 87.3522



58.0718, 31.5032, 41.4966

Triad

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



51.8529, 31.5032, 87.3522



32.3597, 31.5032, 1.9170



13.8263, 31.5032, 67.3314

Complementary

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



51.8529, 31.5032, 87.3522



41.0754, 68.0507, 22.7759

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.



12.7808, 31.5032, 27.9905



51.8529, 31.5032, 87.3522



21.7677, 31.5032, 2.7715

Square

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



51.8529, 31.5032, 87.3522



45.0935, 31.5032, 4.2325



15.2812, 31.5032, 8.7585



18.6341, 31.5032, 116.2680

Rectangle

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



51.8529, 31.5032, 87.3522



57.2466, 31.5032, 21.0894



15.2812, 31.5032, 8.7585



13.0854, 31.5032, 52.1248

Sweetspot

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



51.8541, 31.5046, 87.3529



80.2509, 73.1690, 104.5011



27.3827, 21.4827, 86.7082



16.7326, 14.8667, 22.2376



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.



51.8541, 31.5046, 87.3529



54.6719, 29.7295, 97.4646



50.0700, 31.3978, 50.5394



16.2699, 15.9364, 19.9401



23.7261, 11.2366, 46.0463



2.0230, 0.9601, 3.8329

Inverse Universe

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



44.1752, 29.0399, 19.4978



45.7151, 26.9627, 13.4331



42.7162, 68.4847, 41.4608



15.8447, 15.7876, 16.7384



19.8026, 10.1935, 1.6112



1.6709, 0.8574, 0.2577

Previews

White Background



This preview shows how the XYZ color 51.8529, 31.5032, 87.3522 looks on a white background.

Color Contrast Check

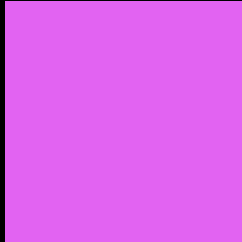
Large Text (above 18pt) WCAG AA × Fail

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 51.8529, 31.5032, 87.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

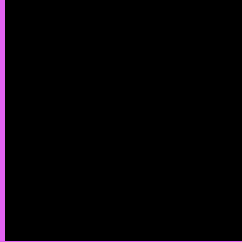
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8529, 31.5032, 87.3522

Background



This preview shows how black text looks on a background with the XYZ color 51.8529, 31.5032, 87.3522.



This preview shows how white text looks on a background with the XYZ color 51.8529, 31.5032,

87.3522.

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

51.8529, 31.5032, 87.3522

Protanopia

34.8609, 31.8407, 98.9162

Deuteranopia

32.7463, 31.8504, 81.5126



Tritanopia

39.6751, 31.3906, 27.6348

Trichromacy



Original Color

51.8529, 31.5032, 87.3522



Protanomaly

37.9493, 29.6188, 94.1593



Deuteranomaly

36.8543, 29.7012, 83.1474



Tritanomaly

43.0126, 30.7232, 44.2206

Monochromacy



Original Color

51.8529, 31.5032, 87.3522



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

35.9669, 29.9811, 49.7902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8529, 31.5032, 87.3522 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(226, 99, 242)` looks like.

```
.text, #text, p{  
    color:rgb(226, 99, 242)  
}
```

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(226, 99, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 99, 242) }
```

Border

The CSS property to change the border of an element to XYZ 51.8529, 31.5032, 87.3522 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(226, 99, 242) }
```


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

```
.border{ border-color:rgb(226, 99, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 99, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 99, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 99, 242);  
box-shadow:4px 4px 4px 4px rgb(226, 99,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8529, 31.5032, 87.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 99, 242) }
```

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

```
.background{ background-color: rgb(226, 99,  
242) }
```

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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