

Converting Colors

XYZ(51.3350, 31.6072, 93.0469)

Have a look what the booklet for
XYZ(51.3350, 31.6072, 93.0469)
contains.

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Color

**XYZ(51.3655, 31.5579,
93.0066)**

Conversions

Conversions Part 1

Format	Color
Hex	DC66F9
RGB	220, 102, 249
RGB Percent	86%, 40%, 98%
CMY	0.1372, 0.6000, 0.0235
CMYK	0.12, 0.59, 0.00, 0.02
HSL	288°, 92%, 69%
HSV	288°, 59%, 98%
XYZ	51.3655, 31.5579, 93.0066
YIQ	154.0400, 23.1410, 70.7330

Conversions

Conversions Part 2

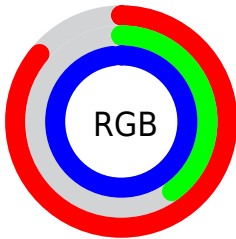
Format	Color
R _Y B	220, 102, 249
Decimal	14444281
CIE Lab	62.98, 66.86, -53.60
CIE LCh	63, 85.689, 321.280
Yxy	31.5579, 0.2920, 0.1794
Android (android.graphics.Color)	4292634361 (0xFFDC66F9)
YUV	154.0400, 46.8153, 57.8469
Hunter-Lab	56.1764, 64.9046, -58.8380

Details

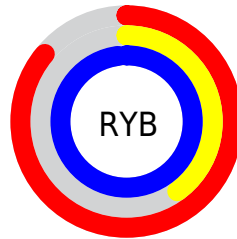
The XYZ color **51.3655, 31.5579, 93.0066** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **45.6349, 73.5367, 24.3603**, and the grayscale version is **30.5279, 32.1178, 34.9763**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **25.2786, 13.2149, 51.0876** is the 20% darker color. If you saturate the color by 10%, you get **47.8110, 26.6227, 92.2418**, and if you desaturate by 10%, it is **55.7007, 37.9875, 94.0196**.

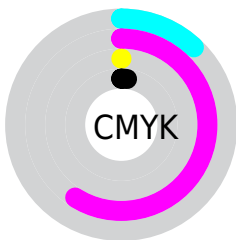
Distribution



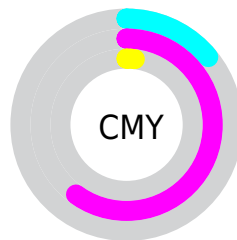
- Red (86%)
- Green (40%)
- Blue (98%)



- Red (86%)
- Yellow (40%)
- Blue (98%)



- Cyan (12%)
- Magenta (59%)
- Yellow (0%)
- Black (2%)




- Cyan (14%)
- Magenta (60%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3655, 31.5579, 93.0066 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 51.3655, 31.5579, 93.0066 by changing the saturation by 10% instead.


 51.3655, 31.5579,
93.0066

 51.3655, 31.5579,
93.0066


382.3465,
309.1004, 558.5839


 36.7218, 21.0240,
69.8893

 91.3746, 62.1174,
153.4795


 25.1648, 13.1416,
50.9600


 117.4707, 82.9118,
191.6722

 16.3293, 7.5261,
35.8003


 148.1150,
107.8951, 235.7272

 9.8498, 3.7932,
23.9915

 183.6728,
137.4519, 286.0628

 5.3610, 1.5586,
15.1152

224.5095,
171.9664, 343.0978

 2.4975, 0.3294,
8.7528

270.9904,

 0.8940, 0.0000,

211.8230, 407.2506

4.4857

323.4810,
257.4062, 478.9398

■ 0.0000, 0.0000,
1.8954

■ 0.0000, 0.0000,
0.4898

■ 51.3655, 31.5579,
93.0066

■ 51.3655, 31.5579,
93.0066

■ 47.8110, 26.6227,
92.2418

■ 55.7007, 37.9875,
94.0196

■ 44.9653, 23.0417,
91.7006

■ 60.8730, 46.0270,
95.2988

■ 42.7483, 20.6545,
91.3567

■ 66.9376, 55.7850,
96.8627

■ 41.0392, 19.2200,
91.1699

■ 73.9436, 67.3596,
98.7275

40.8863, 19.1024,
91.1553

81.9367, 80.8412,
100.9085

90.9592, 96.3143,
103.4195

93.8738, 99.5035,
103.8815

94.0990, 99.6196,
103.8920

Harmonies

Analogous

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



38.9895, 31.5579, 137.1827



51.3655, 31.5579, 93.0066



58.4166, 31.5579, 45.1635

Triad

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



51.3655, 31.5579, 93.0066



33.5614, 31.5579, 1.8555



13.4520, 31.5579, 63.6914

Complementary

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



51.3655, 31.5579, 93.0066



45.6349, 73.5367, 24.3603

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.



12.7144, 31.5579, 25.4353



51.3655, 31.5579, 93.0066



22.5022, 31.5579, 2.4313

Square

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



51.3655, 31.5579, 93.0066



46.5111, 31.5579, 4.5315



15.5658, 31.5579, 7.6608



17.9402, 31.5579, 113.8919

Rectangle

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



51.3655, 31.5579, 93.0066



58.1429, 31.5579, 23.1698



15.5658, 31.5579, 7.6608



12.8138, 31.5579, 48.6767

Sweetspot

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



51.3667, 31.5592, 93.0073



78.8618, 72.4529, 104.4361



30.7496, 26.0059, 93.0220



16.3893, 14.6897, 22.2215



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.



51.3667, 31.5592, 93.0073



49.7944, 27.2150, 97.2363



54.8266, 34.0465, 61.3774



17.6379, 17.3415, 21.8029



22.0036, 10.2859, 48.7992



2.1205, 0.9952, 4.5235

Inverse Universe

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



47.9159, 31.2822, 24.9863



46.4818, 27.2694, 17.4704



44.5522, 72.6553, 38.9120



17.3846, 17.2812, 18.6148



21.2494, 10.9155, 2.7558



2.0036, 1.0252, 0.4425

Previews

White Background



This preview shows how the XYZ color 51.3655, 31.5579, 93.0066 looks on a white background.

Color Contrast Check

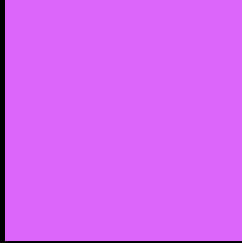
Large Text (above 18pt) WCAG AA × Fail

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 51.3655, 31.5579, 93.0066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

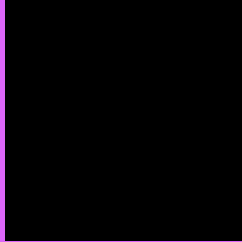
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3655, 31.5579, 93.0066

Background



This preview shows how black text looks on a background with the XYZ color 51.3655, 31.5579, 93.0066.



This preview shows how white text looks on a background with the XYZ color 51.3655, 31.5579,

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

51.3655, 31.5579, 93.0066

Protanopia

34.8609, 31.8407, 98.9162

Deuteranopia

32.9451, 32.0770, 86.8932



Tritanopia

38.3106, 31.4347, 29.6395

Trichromacy



Original Color

51.3655, 31.5579, 93.0066



Protanomaly

38.1936, 29.8903, 96.6849



Deuteranomaly

36.7354, 29.7243, 88.5952



Tritanomaly

41.7562, 30.7126, 47.4434

Monochromacy



Original Color

51.3655, 31.5579, 93.0066



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

36.2094, 30.4670, 52.1164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3655, 31.5579, 93.0066 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(220, 102, 249)` looks like.

```
.text, #text, p{  
    color:rgb(220, 102, 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(220, 102, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 102, 249) }
```

Border

The CSS property to change the border of an element to XYZ 51.3655, 31.5579, 93.0066 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(220, 102, 249) }
```


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

```
.border{ border-color:rgb(220, 102, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 102, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 102, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 102, 249);  
box-shadow:4px 4px 4px 4px rgb(220, 102,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3655, 31.5579, 93.0066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 102, 249) }
```

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

```
.background{ background-color: rgb(220,  
102, 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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