

Converting Colors

XYZ(52.9992, 35.0623, 91.6123)

Have a look what the booklet for
XYZ(52.9992, 35.0623, 91.6123)
contains.

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Color

**XYZ(53.0857, 35.0444,
91.9620)**

Conversions

Conversions Part 1

Format	Color
Hex	DD76F7
RGB	221, 118, 247
RGB Percent	87%, 46%, 97%
CMY	0.1333, 0.5372, 0.0314
CMYK	0.11, 0.52, 0.00, 0.03
HSL	288°, 89%, 72%
HSV	288°, 52%, 97%
XYZ	53.0857, 35.0444, 91.9620
YIQ	163.5030, 19.9790, 61.9550

Conversions

Conversions Part 2

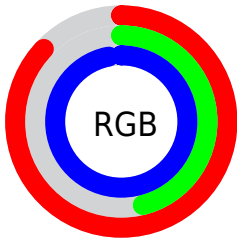
Format	Color
R _{YB}	221, 118, 247
Decimal	14513911
CIE _{Lab}	65.78, 59.25, -48.05
CIE _{LCh}	66, 76.283, 320.962
Yxy	35.0444, 0.2948, 0.1946
Android (android.graphics.Color)	4292703991 (0xFFDD76F7)
YUV	163.5030, 41.1640, 50.4249
Hunter-Lab	59.1983, 56.4717, -50.6656

Details

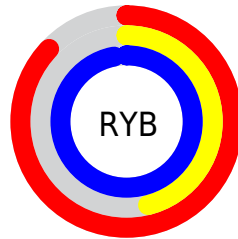
The XYZ color **53.0857, 35.0444, 91.9620** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **48.0334, 73.7596, 28.8464**, and the grayscale version is **34.8564, 36.6717, 39.9355**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **26.1760, 15.0592, 50.2423** is the 20% darker color. If you saturate the color by 10%, you get **49.0557, 29.2003, 91.0469**, and if you desaturate by 10%, it is **57.9246, 42.4374, 93.1345**.

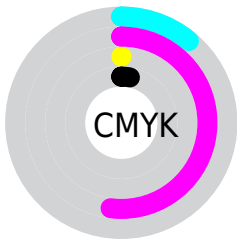
Distribution



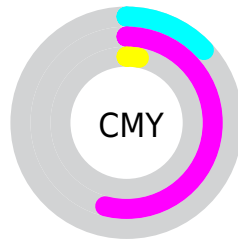
- Red (87%)
- Green (46%)
- Blue (97%)



- Red (87%)
- Yellow (46%)
- Blue (97%)



- Cyan (11%)
- Magenta (52%)
- Yellow (0%)
- Black (3%)





- Cyan (13%)
- Magenta (54%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0857, 35.0444, 91.9620 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 53.0857, 35.0444, 91.9620 by changing the saturation by 10% instead.


 53.0857, 35.0444,
91.9620


 53.0857, 35.0444,
91.9620


388.8693,
324.7643, 555.1266


 38.0989, 23.6971,
69.0262

 93.8952, 67.5545,
152.0200

 26.2371, 15.1091,
50.2612


 120.4487, 89.4862,
189.9792

 17.1347, 8.8960,
35.2483


 151.5885,
115.7147, 233.7834

 10.4265, 4.6734,
23.5691

187.6800,
146.6244, 283.8510

 5.7470, 2.0569,
14.8051

229.0884,
182.5999, 340.6006

 2.7311, 0.6402,
8.5376

276.1792,

 1.0132, 0.0000,

224.0254, 404.4507

4.3482

329.3177,
271.2854, 475.8199

■ 0.0000, 0.0000,
1.8182

■ 0.0000, 0.0000,
0.4399

■ 53.0857, 35.0444,
91.9620

■ 53.0857, 35.0444,
91.9620

■ 49.0557, 29.2003,
91.0469

■ 57.9246, 42.4374,
93.1345

■ 45.7695, 24.7788,
90.3667

■ 63.6232, 51.4835,
94.5802

■ 43.1581, 21.6412,
89.8987

■ 70.2323, 62.2828,
96.3164

■ 41.1363, 19.6180,
89.6147

■ 77.7978, 74.9265,
98.3581

■ 39.8719, 18.6153,
89.4879

■ 86.3621, 89.4989,
100.7195

■ 92.2859, 98.7208,
102.1872

■ 93.7886, 99.4954,
102.2576

Harmonies

Analogous

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



41.6589, 35.0444, 130.1223



53.0857, 35.0444, 91.9620



59.5529, 35.0444, 48.7357

Triad

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



53.0857, 35.0444, 91.9620



36.8222, 35.0444, 3.8544



16.9216, 35.0444, 64.8770

Complementary

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



53.0857, 35.0444, 91.9620



48.0334, 73.7596, 28.8464

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.



16.1921, 35.0444, 29.2325



53.0857, 35.0444, 91.9620



26.1562, 35.0444, 4.6227

Square

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



53.0857, 35.0444, 91.9620



48.8686, 35.0444, 7.4370



19.1778, 35.0444, 10.9334



21.4612, 35.0444, 109.3032

Rectangle

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



53.0857, 35.0444, 91.9620



59.3673, 35.0444, 27.5509



19.1778, 35.0444, 10.9334



16.2702, 35.0444, 51.1869

Sweetspot

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



53.0870, 35.0459, 91.9628



80.4264, 75.1481, 104.8738



34.5322, 31.1109, 92.1812



16.8549, 15.4835, 22.3502



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.



53.0870, 35.0459, 91.9628



52.3989, 30.9157, 97.8133



56.5262, 37.4079, 65.5095



16.8674, 16.5898, 20.8557



21.2063, 9.9066, 47.3325



1.9448, 0.9124, 4.1639

Inverse Universe

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



49.8713, 34.7460, 30.4650



49.0870, 30.8530, 23.3540



46.6118, 72.7254, 42.3948



16.6357, 16.5371, 17.8281



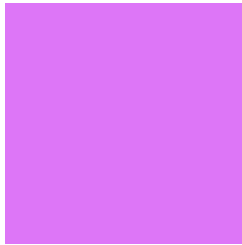
20.6283, 10.5947, 2.7510



1.8482, 0.9453, 0.4271

Previews

White Background



This preview shows how the XYZ color 53.0857, 35.0444, 91.9620 looks on a white background.

Color Contrast Check

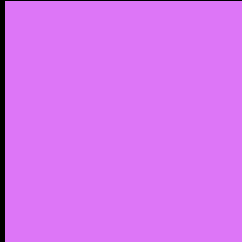
Large Text (above 18pt) WCAG AA × Fail

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 53.0857, 35.0444, 91.9620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

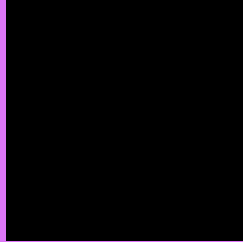
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.0857, 35.0444, 91.9620

Background



This preview shows how black text looks on a background with the XYZ color 53.0857, 35.0444, 91.9620.



This preview shows how white text looks on a background with the XYZ color 53.0857, 35.0444,

91.9620.

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

53.0857, 35.0444, 91.9620

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.2903, 35.3134, 86.5648



Tritanopia

41.3529, 35.0229, 34.2863

Trichromacy



Original Color

53.0857, 35.0444, 91.9620



Protanomaly

41.4937, 33.9423, 96.4600



Deuteranomaly

40.2983, 33.7283, 88.3907



Tritanomaly

44.7977, 34.5090, 51.3135

Monochromacy



Original Color

53.0857, 35.0444, 91.9620



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

40.1789, 35.0768, 55.6918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0857, 35.0444, 91.9620 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(221, 118, 247)` looks like.

```
.text, #text, p{  
    color:rgb(221, 118, 247)  
}
```

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(221, 118, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 118, 247) }
```

Border

The CSS property to change the border of an element to XYZ 53.0857, 35.0444, 91.9620 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(221, 118, 247) }
```


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

```
.border{ border-color:rgb(221, 118, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 118, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 118, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 118, 247); box-shadow:4px 4px 4px 4px rgb(221, 118, 247) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0857, 35.0444, 91.9620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 118, 247) }
```

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

```
.background{ background-color: rgb(221,  
118, 247) }
```

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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