

Converting Colors

XYZ(51.2600, 30.3112, 97.7567)

Have a look what the booklet for
XYZ(51.2600, 30.3112, 97.7567)
contains.

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Color

**XYZ(51.2661, 30.2855,
97.7514)**

Conversions

Conversions Part 1

Format	Color
Hex	DB5EFF
RGB	219, 94, 255
RGB Percent	86%, 37%, 100%
CMY	0.1412, 0.6314, 0.0000
CMYK	0.14, 0.63, 0.00, 0.00
HSL	287°, 100%, 68%
HSV	287°, 63%, 100%
XYZ	51.2661, 30.2855, 97.7514
YIQ	149.7290, 22.8190, 76.5710

Conversions

Conversions Part 2

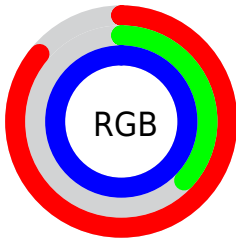
Format	Color
R _Y B	219, 94, 255
Decimal	14376703
CIE Lab	61.90, 71.23, -58.63
CIE LCh	62, 92.256, 320.543
Yxy	30.2855, 0.2859, 0.1689
Android (android.graphics.Color)	4292566783 (0xFFDB5EFF)
YUV	149.7290, 51.8986, 60.7507
Hunter-Lab	55.0323, 69.9778, -66.7916

Details

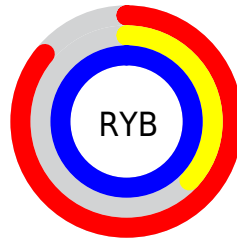
The XYZ color **51.2661, 30.2855, 97.7514** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **46.9870, 77.0743, 22.9912**, and the grayscale version is **28.6566, 30.1490, 32.8323**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **25.0146, 12.3835, 53.8952** is the 20% darker color. If you saturate the color by 10%, you get **47.6756, 25.6067, 97.0375**, and if you desaturate by 10%, it is **55.6662, 36.4942, 98.7179**.

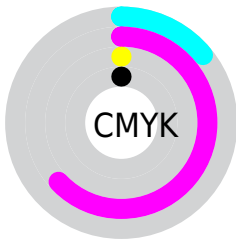
Distribution



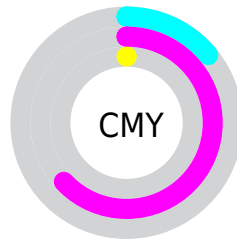
- Red (86%)
- Green (37%)
- Blue (100%)



- Red (86%)
- Yellow (37%)
- Blue (100%)



- Cyan (14%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2661, 30.2855, 97.7514 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 51.2661, 30.2855, 97.7514 by changing the saturation by 10% instead.


 51.2661, 30.2855,
97.7514


 51.2661, 30.2855,
97.7514


381.9674,
303.2330, 574.1441


 36.6423, 20.0554,
73.8176


 91.2286, 60.1134,
160.0885


 25.1031, 12.4353,
54.1489


 117.2981, 80.4800,
199.3288

 16.2830, 7.0409,
38.3267


 147.9136,
104.9941, 244.5084

 9.8168, 3.4877,
25.9326

 183.4403,
134.0403, 296.0458

 5.3390, 1.3913,
16.5479

224.2437,
168.0029, 354.3595

 2.4843, 0.2103,
9.7541

270.6891,

 0.8873, 0.0000,

207.2663, 419.8681

5.1328

323.1419,
252.2148, 492.9901

■ 0.0000, 0.0000,
2.2653

■ 0.0000, 0.0000,
0.7117

■ 51.2661, 30.2855,
97.7514

■ 51.2661, 30.2855,
97.7514

■ 47.6756, 25.6067,
97.0375

■ 55.6662, 36.4942,
98.7179

■ 44.8138, 22.2999,
96.5501

■ 60.9396, 44.3625,
99.9587

■ 42.5877, 20.1790,
96.2580

■ 67.1473, 54.0104,
101.4937

■ 41.3342, 19.2235,
96.1397

■ 74.3435, 65.5456,
103.3410

■ 82.5781, 79.0671,
105.5169

■ 91.8977, 94.6671,
108.0368

■ 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.



37.9401, 30.2855, 146.3085



51.2661, 30.2855, 97.7514



59.1058, 30.2855, 45.4478

Triad

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



51.2661, 30.2855, 97.7514



32.8625, 30.2855, 1.1056



11.7936, 30.2855, 63.0304

Complementary

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



51.2661, 30.2855, 97.7514



46.9870, 77.0743, 22.9912

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.



11.1512, 30.2855, 23.0237



51.2661, 30.2855, 97.7514



21.2364, 30.2855, 1.4978

Square

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



51.2661, 30.2855, 97.7514



46.6497, 30.2855, 3.4161



14.0774, 30.2855, 5.8999



16.1867, 30.2855, 118.1856

Rectangle

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



51.2661, 30.2855, 97.7514



58.9797, 30.2855, 22.0394



14.0774, 30.2855, 5.8999



11.1927, 30.2855, 47.0376

Sweetspot

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



51.2672, 30.2867, 97.7516



77.6201, 70.8909, 104.2000



30.8598, 25.9862, 97.9971



16.1247, 14.3744, 22.1746



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.



51.2672, 30.2867, 97.7516



46.7850, 24.5265, 96.8760



57.1354, 34.0232, 65.8881



18.3720, 18.0835, 22.7721



21.7326, 10.1140, 50.2414



2.2090, 1.0327, 4.8962

Inverse Universe

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



49.2726, 30.8781, 24.4832



45.4453, 25.6292, 15.7908



44.8875, 75.7043, 35.8898



18.1757, 18.0536, 19.5422



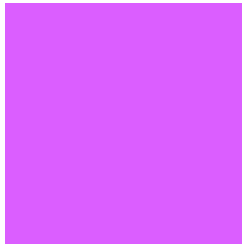
21.9805, 11.2815, 3.2818



2.1791, 1.1140, 0.5247

Previews

White Background



This preview shows how the XYZ color 51.2661, 30.2855, 97.7514 looks on a white background.

Color Contrast Check

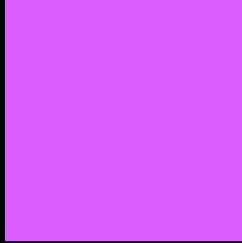
Large Text (above 18pt) WCAG AA × Fail

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 51.2661, 30.2855, 97.7514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

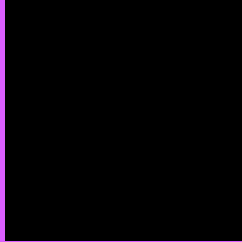
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2661, 30.2855, 97.7514

Background



This preview shows how black text looks on a background with the XYZ color 51.2661, 30.2855, 97.7514.



This preview shows how white text looks on a background with the XYZ color 51.2661, 30.2855,

97.7514.

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

51.2661, 30.2855, 97.7514

Protanopia

33.6957, 30.5445, 98.7275

Deuteranopia

31.6042, 30.5789, 90.6228



Tritanopia

37.0663, 30.2320, 27.9265

Trichromacy



Original Color

51.2661, 30.2855, 97.7514



Protanomaly

37.1410, 28.3280, 98.1181



Deuteranomaly

35.3980, 28.1232, 93.1852



Tritanomaly

40.8804, 29.3823, 47.2328

Monochromacy



Original Color

51.2661, 30.2855, 97.7514



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

34.7389, 28.7101, 51.2876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2661, 30.2855, 97.7514 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(219, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 94, 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(219, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.2661, 30.2855, 97.7514 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(219, 94, 255) }
```


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

```
.border{ border-color:rgb(219, 94, 255) }
```

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

Here you see how a box with a 4 pixel rgb(219, 94, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 94,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2661, 30.2855, 97.7514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 94, 255) }
```

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

```
.background{ background-color: rgb(219, 94,  
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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