

Converting Colors

XYZ(51.2036, 31.3646, 97.9630)

Have a look what the booklet for
XYZ(51.2036, 31.3646, 97.9630)
contains.

XYZ(51.1203, 31.3217, 97.9591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.1203, 31.3217,
97.9591)**

Conversions

Conversions Part 1

Format	Color
Hex	D866FF
RGB	216, 102, 255
RGB Percent	85%, 40%, 100%
CMY	0.1529, 0.6000, 0.0000
CMYK	0.15, 0.60, 0.00, 0.00
HSL	285°, 100%, 70%
HSV	285°, 60%, 100%
XYZ	51.1203, 31.3217, 97.9591
YIQ	153.5280, 18.8310, 71.7510

Conversions

Conversions Part 2

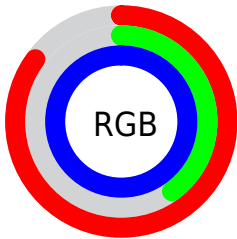
Format	Color
R _Y B	216, 102, 255
Decimal	14182143
CIE Lab	62.78, 67.06, -57.25
CIE LCh	63, 88.172, 319.511
Yxy	31.3217, 0.2834, 0.1736
Android (android.graphics.Color)	4292372223 (0xFFD866FF)
YUV	153.5280, 50.0257, 54.7879
Hunter-Lab	55.9658, 65.1054, -64.6015

Details

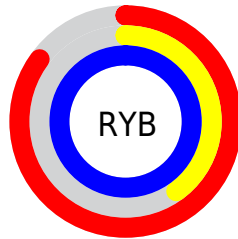
The XYZ color **51.1203, 31.3217, 97.9591** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **49.1434, 78.1423, 25.0644**, and the grayscale version is **30.2924, 31.8700, 34.7064**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **25.0425, 13.0281, 54.0181** is the 20% darker color. If you saturate the color by 10%, you get **47.1063, 26.0874, 97.1603**, and if you desaturate by 10%, it is **55.9830, 38.1384, 99.0186**.

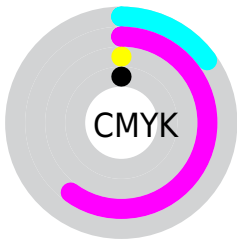
Distribution



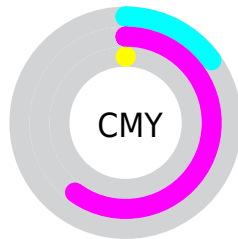
- Red (85%)
- Green (40%)
- Blue (100%)



- Red (85%)
- Yellow (40%)
- Blue (100%)



- Cyan (15%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1203, 31.3217, 97.9591 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 51.1203, 31.3217, 97.9591 by changing the saturation by 10% instead.


 51.1203, 31.3217,
97.9591

 51.1203, 31.3217,
97.9591


381.4110,
308.0177, 574.8200


 36.5258, 20.8439,
73.9898

 91.0145, 61.7462,
160.3770


 25.0125, 13.0100,
54.2890

 117.0449, 82.4617,
199.6627

 16.2152, 7.4354,
38.4380


 147.6180,
107.3586, 244.8910

 9.7684, 3.7359,
26.0183

 183.0991,
136.8213, 296.4805

 5.3067, 1.5269,
16.6115

223.8536,
171.2342, 354.8495

 2.4649, 0.3076,
9.7989

270.2468,

 0.8776, 0.0000,

210.9816, 420.4168

5.1619

322.6442,
256.4479, 493.6008

■ 0.0000, 0.0000,
2.2822

■ 0.0000, 0.0000,
0.7212

■ 51.1203, 31.3217,
97.9591

■ 51.1203, 31.3217,
97.9591

■ 47.1063, 26.0874,
97.1603

■ 55.9830, 38.1384,
99.0186

■ 43.8634, 22.2850,
96.5973

■ 61.7557, 46.6623,
100.3596

■ 41.3046, 19.7404,
96.2410

■ 68.4979, 57.0097,
102.0015

■ 39.2861, 18.1677,
96.0438

■ 76.2625, 69.2854,
103.9617

■ 39.2858, 18.1674,
96.0438

■ 85.0985, 83.5865,
106.2564

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.



38.2072, 31.3217, 142.8259



51.1203, 31.3217, 97.9591



58.8916, 31.3217, 47.6796

Triad

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



51.1203, 31.3217, 97.9591



34.1947, 31.3217, 1.6136



12.8248, 31.3217, 61.4443

Complementary

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



51.1203, 31.3217, 97.9591



49.1434, 78.1423, 25.0644

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.



12.2937, 31.3217, 23.3860



51.1203, 31.3217, 97.9591



22.6770, 31.3217, 1.9938

Square

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



51.1203, 31.3217, 97.9591



47.5095, 31.3217, 4.4259



15.3867, 31.3217, 6.6027



17.1086, 31.3217, 113.6594

Rectangle

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



51.1203, 31.3217, 97.9591



58.9999, 31.3217, 24.2641



15.3867, 31.3217, 6.6027



12.2556, 31.3217, 46.2985

Sweetspot

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



51.1215, 31.3230, 97.9593



77.9409, 71.9782, 104.3930



33.3230, 29.6310, 98.5708



16.1624, 14.5727, 22.2109



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.



51.1215, 31.3230, 97.9593



46.3979, 25.2167, 97.0296



58.8177, 35.8940, 71.0540



18.3141, 18.0536, 22.7694



20.6731, 9.5679, 50.1918



2.1138, 0.9836, 4.8917

Inverse Universe

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



50.7997, 32.6868, 28.8319



46.8006, 27.1303, 19.9714



45.8060, 76.1714, 36.2207



18.1993, 18.0630, 19.6668



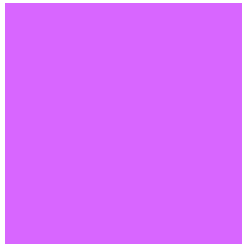
22.0979, 11.3284, 3.8999



2.1935, 1.1198, 0.6006

Previews

White Background



This preview shows how the XYZ color 51.1203, 31.3217, 97.9591 looks on a white background.

Color Contrast Check

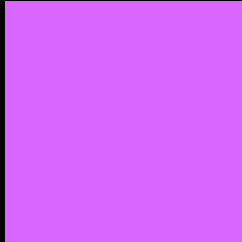
Large Text (above 18pt) WCAG AA × Fail

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 51.1203, 31.3217, 97.9591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

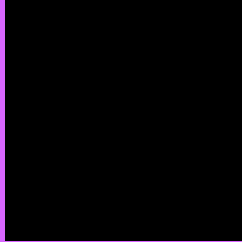
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1203, 31.3217, 97.9591

Background



This preview shows how black text looks on a background with the XYZ color 51.1203, 31.3217, 97.9591.



This preview shows how white text looks on a background with the XYZ color 51.1203, 31.3217,

97.9591.

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

51.1203, 31.3217, 97.9591

Protanopia

34.7413, 31.7791, 98.9106

Deuteranopia

32.6867, 31.5971, 91.5649



Tritanopia

37.1649, 31.0376, 30.0187

Trichromacy



Original Color

51.1203, 31.3217, 97.9591



Protanomaly

38.1553, 29.8335, 98.3552



Deuteranomaly

36.4392, 29.4652, 93.3893



Tritanomaly

41.0649, 30.5016, 49.0704

Monochromacy



Original Color

51.1203, 31.3217, 97.9591



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

36.1994, 30.4366, 53.2572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1203, 31.3217, 97.9591 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(216, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 102, 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(216, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.1203, 31.3217, 97.9591 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(216, 102, 255) }
```


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

```
.border{ border-color:rgb(216, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1203, 31.3217, 97.9591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 102, 255) }
```

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

```
.background{ background-color: rgb(216,  
102, 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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