

Converting Colors

XYZ(65.0151, 38.6323,
157.8483)

Have a look what the booklet for
XYZ(65.0151, 38.6323, 157.8483)
contains.

XYZ(53.5532, 33.9610, 98.3403)	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(53.5532, 33.9610,
98.3403)**

Conversions

Conversions Part 1

Format	Color
Hex	DD6FFF
RGB	221, 111, 255
RGB Percent	87%, 44%, 100%
CMY	0.1333, 0.5647, 0.0000
CMYK	0.13, 0.56, 0.00, 0.00
HSL	286°, 100%, 72%
HSV	286°, 56%, 100%
XYZ	53.5532, 33.9610, 98.3403
YIQ	160.3060, 19.3360, 68.1040

Conversions

Conversions Part 2

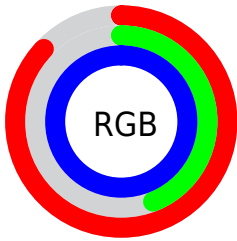
Format	Color
R _Y B	221, 111, 255
Decimal	14512127
CIE Lab	64.93, 64.13, -53.79
CIE LCh	65, 83.698, 320.011
Yxy	33.9610, 0.2881, 0.1827
Android (android.graphics.Color)	4292702207 (0xFFDD6FFF)
YUV	160.3060, 46.6841, 53.2286
Hunter-Lab	58.2761, 62.0507, -59.2581

Details

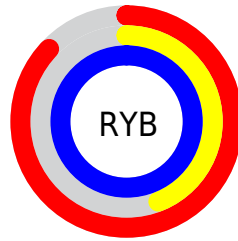
The XYZ color **53.5532, 33.9610, 98.3403** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.3070, 78.6877, 27.5770**, and the grayscale version is **33.3410, 35.0774, 38.1993**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **26.6165, 14.5021, 54.8224** is the 20% darker color. If you saturate the color by 10%, you get **49.3573, 28.2410, 97.4574**, and if you desaturate by 10%, it is **58.6112, 41.3054, 99.4913**.

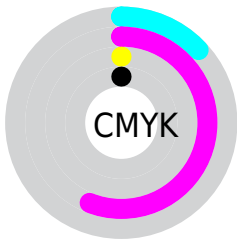
Distribution



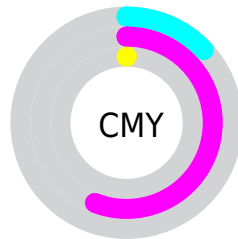
- Red (87%)
- Green (44%)
- Blue (100%)



- Red (87%)
- Yellow (44%)
- Blue (100%)



- Cyan (13%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5532, 33.9610, 98.3403 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 53.5532, 33.9610, 98.3403 by changing the saturation by 10% instead.


 53.5532, 33.9610,
98.3403

 53.5532, 33.9610,
98.3403

390.6301,
319.9581, 576.0595


 38.4738, 22.8636,
74.3060

 94.5786, 65.8730,
160.9064

 26.5295, 14.4929,
54.5463


 121.2554, 87.4565,
200.2754

 17.3549, 8.4642,
38.6424


 152.5287,
113.3041, 245.5930

 10.5848, 4.3934,
26.1760

188.7638,
143.8002, 297.2777

 5.8536, 1.8960,
16.7284

230.3262,
179.3293, 355.7482

 2.7961, 0.5460,
9.8811

277.5811,

 1.0469, 0.0000,

220.2757, 421.4230

5.2156

330.8940,
267.0238, 494.7206

■ 0.0000, 0.0000,
2.3134

■ 0.0000, 0.0000,
0.7387

■ 53.5532, 33.9610,
98.3403

■ 53.5532, 33.9610,
98.3403

■ 49.3573, 28.2410,
97.4574

■ 58.6112, 41.3054,
99.4913

■ 45.9496, 24.0018,
96.8187

■ 64.5896, 50.3932,
100.9304

■ 43.2489, 21.0813,
96.3974

■ 71.5458, 61.3370,
102.6761

■ 41.1527, 19.2750,
96.1592

■ 79.5312, 74.2385,
104.7455

■ 40.5024, 18.7946,
96.1008

■ 88.5933, 89.1921,
107.1542

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.



40.9005, 33.9610, 141.3604



53.5532, 33.9610, 98.3403



60.9936, 33.9610, 49.7618

Triad

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



53.5532, 33.9610, 98.3403



36.4789, 33.9610, 2.5349



14.9995, 33.9610, 64.7425

Complementary

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



53.5532, 33.9610, 98.3403



50.3070, 78.6877, 27.5770

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.



14.3780, 33.9610, 26.5953



53.5532, 33.9610, 98.3403



24.9630, 33.9610, 3.0730

Square

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



53.5532, 33.9610, 98.3403



49.6305, 33.9610, 5.8365



17.5494, 33.9610, 8.5816



19.5317, 33.9610, 114.9785

Rectangle

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



53.5532, 33.9610, 98.3403



60.9911, 33.9610, 26.5743



17.5494, 33.9610, 8.5816



14.3789, 33.9610, 49.7938

Sweetspot

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



53.5544, 33.9624, 98.3405



79.0803, 73.5024, 104.6271



35.0404, 31.4683, 98.8349



16.5673, 15.1478, 22.3006



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.



53.5544, 33.9624, 98.3405



48.7862, 27.4996, 97.3444



59.7113, 37.7444, 71.1569



18.3488, 18.0716, 22.7710



21.3025, 9.8923, 50.2212



2.1704, 1.0128, 4.8944

Inverse Universe

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



52.0359, 34.6743, 30.7392



47.7736, 28.6530, 21.6010



47.5828, 77.0065, 39.9610



18.1851, 18.0574, 19.5919



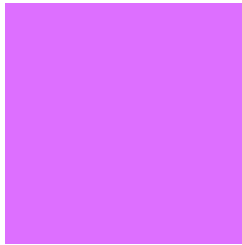
22.0254, 11.2995, 3.5184



2.1847, 1.1163, 0.5542

Previews

White Background



This preview shows how the XYZ color 53.5532, 33.9610, 98.3403 looks on a white background.

Color Contrast Check

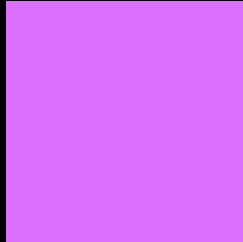
Large Text (above 18pt) WCAG AA × Fail

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 53.5532, 33.9610, 98.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

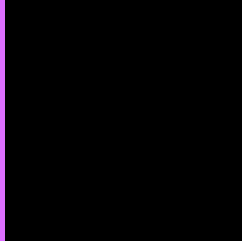
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.5532, 33.9610, 98.3403

Background



This preview shows how black text looks on a background with the XYZ color 53.5532, 33.9610, 98.3403.



This preview shows how white text looks on a background with the XYZ color 53.5532, 33.9610,

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

53.5532, 33.9610, 98.3403

Protanopia

37.1075, 34.4446, 99.3004

Deuteranopia

35.4170, 34.4870, 91.9788



Tritanopia

40.1912, 33.7891, 33.2578

Trichromacy



Original Color

53.5532, 33.9610, 98.3403



Protanomaly

40.8002, 32.6538, 98.7602



Deuteranomaly

39.3863, 32.4686, 93.8137

Tritanomaly

43.7913, 33.1802, 51.6733

Monochromacy



Original Color

53.5532, 33.9610, 98.3403



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

38.8147, 33.2312, 55.9983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5532, 33.9610, 98.3403 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, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 111, 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(221, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 111, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.5532, 33.9610, 98.3403 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, 111, 255) }
```


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

```
.border{ border-color:rgb(221, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 111,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5532, 33.9610, 98.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 111, 255) }
```

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

```
.background{ background-color: rgb(221,  
111, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor