

Converting Colors

XYZ(52.0713, 32.8566, 95.3976)

Have a look what the booklet for
XYZ(52.0713, 32.8566, 95.3976)
contains.

XYZ(52.1467, 32.8135, 95.6807)	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(52.1467, 32.8135,
95.6807)**

Conversions

Conversions Part 1

Format	Color
Hex	DB6CFC
RGB	219, 108, 252
RGB Percent	86%, 42%, 99%
CMY	0.1412, 0.5765, 0.0118
CMYK	0.13, 0.57, 0.00, 0.01
HSL	286°, 96%, 71%
HSV	286°, 57%, 99%
XYZ	52.1467, 32.8135, 95.6807
YIQ	157.6050, 19.9320, 68.3160

Conversions

Conversions Part 2

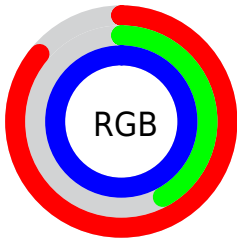
Format	Color
R _Y B	219, 108, 252
Decimal	14380284
CIE _{Lab}	64.01, 64.45, -53.62
CIE _{LCh}	64, 83.841, 320.243
Y _{xy}	32.8135, 0.2887, 0.1817
Android (android.graphics.Color)	4292570364 (0xFFDB6CFC)
YUV	157.6050, 46.5367, 53.8434
Hunter-Lab	57.2831, 62.2492, -58.9348

Details

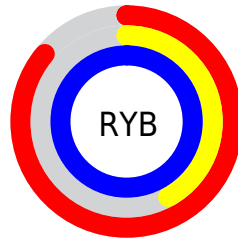
The XYZ color **52.1467, 32.8135, 95.6807** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **48.5027, 76.3670, 26.3726**, and the grayscale version is **32.1120, 33.7843, 36.7911**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **25.7321, 13.8849, 52.9536** is the 20% darker color. If you saturate the color by 10%, you get **48.1557, 27.3652, 94.8399**, and if you desaturate by 10%, it is **56.9683, 39.8313, 96.7817**.

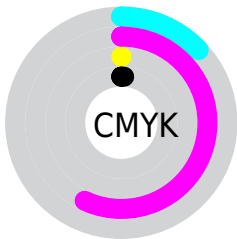
Distribution



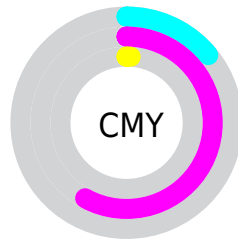
- Red (86%)
- Green (42%)
- Blue (99%)



- Red (86%)
- Yellow (42%)
- Blue (99%)



- Cyan (13%)
- Magenta (57%)
- Yellow (0%)
- Black (1%)





- Cyan (14%)
- Magenta (58%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1467, 32.8135, 95.6807 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 52.1467, 32.8135, 95.6807 by changing the saturation by 10% instead.


 52.1467, 32.8135,
95.6807


 52.1467, 32.8135,
95.6807

385.3174,
314.8085, 567.3818

 37.3468, 21.9836,
72.1016


 92.5205, 64.0842,
157.2083

 25.6510, 13.8449,
52.7544


 118.8251, 85.2939,
195.9940

 16.6940, 8.0128,
37.2203

 149.6952,
110.7323, 240.6856

 10.1105, 4.1032,
25.0810

 185.4963,
140.7837, 291.7017

 5.5351, 1.7314,
15.9178

226.5938,
175.8327, 349.4608

 2.6025, 0.4439,
9.3123

273.3528,

 0.9472, 0.0000,

216.2635, 414.3815

4.8459

326.1389,
262.4607, 486.8823

■ 0.0000, 0.0000,
2.1000

■ 0.0000, 0.0000,
0.6157

■ 52.1467, 32.8135,
95.6807

■ 52.1467, 32.8135,
95.6807

■ 48.1557, 27.3652,
94.8399

■ 56.9683, 39.8313,
96.7817

■ 44.9228, 23.3454,
94.2344

■ 62.6774, 48.5349,
98.1607

■ 42.3683, 20.5949,
93.8382

■ 69.3301, 59.0343,
99.8367

■ 40.3887, 18.9074,
93.6168

■ 76.9764, 71.4289,
101.8261

■ 39.8836, 18.5310,
93.5708

■ 85.6628, 85.8108,
104.1442

■ 94.0765, 99.5535,
106.3534

■ 94.5708, 99.8083,
106.3765

Harmonies

Analogous

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



39.7393, 32.8135, 138.3253



52.1467, 32.8135, 95.6807



59.4056, 32.8135, 47.9438

Triad

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



52.1467, 32.8135, 95.6807



35.2039, 32.8135, 2.3041



14.3446, 32.8135, 63.3412

Complementary

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



52.1467, 32.8135, 95.6807



48.5027, 76.3670, 26.3726

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.



13.7129, 32.8135, 25.7869



52.1467, 32.8135, 95.6807



23.9613, 32.8135, 2.8361

Square

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



52.1467, 32.8135, 95.6807



48.1140, 32.8135, 5.4028



16.7661, 32.8135, 8.1622



18.7858, 32.8135, 112.8527

Rectangle

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



52.1467, 32.8135, 95.6807



59.3540, 32.8135, 25.3507



16.7661, 32.8135, 8.1622



13.7324, 32.8135, 48.6101

Sweetspot

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



52.1480, 32.8149, 95.6814



79.1852, 73.5565, 104.6320



33.3699, 29.4451, 96.0207



16.5923, 15.1607, 22.3017



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.



52.1480, 32.8149, 95.6814



48.7798, 27.2177, 97.2903



57.5950, 36.2564, 67.3146



17.5813, 17.3123, 21.8003



20.9106, 9.7225, 48.7481



2.0281, 0.9476, 4.5192

Inverse Universe

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



50.3161, 33.3449, 28.9847



47.3917, 28.2000, 20.5151



46.2153, 74.8976, 39.3799



17.4075, 17.2904, 18.7358



21.3524, 10.9567, 3.2984



2.0162, 1.0302, 0.5089

Previews

White Background



This preview shows how the XYZ color 52.1467, 32.8135, 95.6807 looks on a white background.

Color Contrast Check

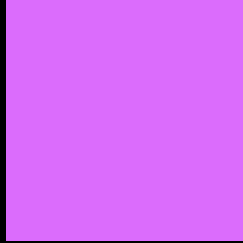
Large Text (above 18pt) WCAG AA × Fail

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 52.1467, 32.8135, 95.6807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

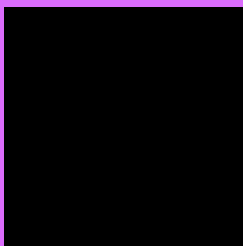
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1467, 32.8135, 95.6807

Background



This preview shows how black text looks on a background with the XYZ color 52.1467, 32.8135, 95.6807.



This preview shows how white text looks on a background with the XYZ color 52.1467, 32.8135,

95.6807.

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

52.1467, 32.8135, 95.6807

Protanopia

35.9603, 33.1212, 99.1055

Deuteranopia

34.0833, 33.1019, 89.3869



Tritanopia

38.9725, 32.5523, 31.8329

Trichromacy



Original Color

52.1467, 32.8135, 95.6807



Protanomaly

39.4561, 31.3434, 97.7362



Deuteranomaly

37.9358, 31.1267, 91.1974



Tritanomaly

42.5123, 31.9798, 49.8310

Monochromacy



Original Color

52.1467, 32.8135, 95.6807



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

37.7149, 32.2652, 54.1092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1467, 32.8135, 95.6807 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, 108, 252)` looks like.

```
.text, #text, p{  
    color:rgb(219, 108, 252)  
}
```

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, 108, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 108, 252) }
```

Border

The CSS property to change the border of an element to XYZ 52.1467, 32.8135, 95.6807 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, 108, 252) }
```


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

```
.border{ border-color:rgb(219, 108, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 108, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 108, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 108, 252);  
box-shadow:4px 4px 4px 4px rgb(219, 108,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1467, 32.8135, 95.6807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 108, 252) }
```

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

```
.background{ background-color: rgb(219,  
108, 252) }
```

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