

Converting Colors

XYZ(52.5984, 32.5547, 98.1192)

Have a look what the booklet for
XYZ(52.5984, 32.5547, 98.1192)
contains.

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Color

**XYZ(52.6168, 32.5388,
98.1151)**

Conversions

Conversions Part 1

Format	Color
Hex	DC69FF
RGB	220, 105, 255
RGB Percent	86%, 41%, 100%
CMY	0.1372, 0.5882, 0.0000
CMYK	0.14, 0.59, 0.00, 0.00
HSL	286°, 100%, 71%
HSV	286°, 59%, 100%
XYZ	52.6168, 32.5388, 98.1151
YIQ	156.4850, 20.3900, 71.0300

Conversions

Conversions Part 2

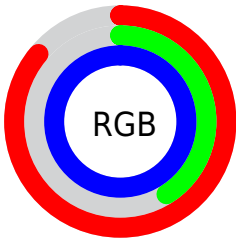
Format	Color
R _Y B	220, 105, 255
Decimal	14445055
CIE Lab	63.79, 66.65, -55.62
CIE LCh	64, 86.802, 320.155
Yxy	32.5388, 0.2871, 0.1775
Android (android.graphics.Color)	4292635135 (0xFFDC69FF)
YUV	156.4850, 48.5679, 55.7027
Hunter-Lab	57.0428, 64.8252, -62.0504

Details

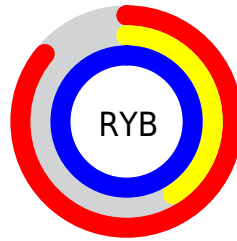
The XYZ color **52.6168, 32.5388, 98.1151** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **49.1256, 78.1156, 25.8545**, and the grayscale version is **31.6011, 33.2468, 36.2057**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **25.9949, 13.7456, 54.1064** is the 20% darker color. If you saturate the color by 10%, you get **48.6295, 27.1891, 97.2927**, and if you desaturate by 10%, it is **57.4490, 39.4809, 99.2004**.

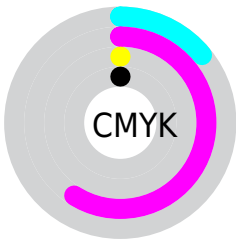
Distribution



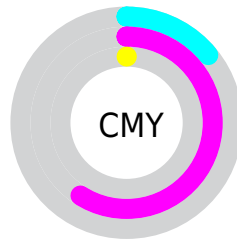
- Red (86%)
- Green (41%)
- Blue (100%)



- Red (86%)
- Yellow (41%)
- Blue (100%)



- Cyan (14%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6168, 32.5388, 98.1151 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 52.6168, 32.5388, 98.1151 by changing the saturation by 10% instead.


 52.6168, 32.5388,
98.1151

 52.6168, 32.5388,
98.1151

387.0982,
313.5664, 575.3274

 37.7232, 21.7734,
74.1192

 93.2091, 63.6548,
160.5937


 25.9442, 13.6905,
54.3943


 119.6385, 84.7742,
199.9135

 16.9143, 7.9057,
38.5216

 150.6439,
110.1137, 245.1784

 10.2684, 4.0347,
26.0828

 186.5907,
140.0576, 296.8068

 5.6409, 1.6930,
16.6593

227.8441,
174.9905, 355.2174

 2.6665, 0.4191,
9.8325

274.7696,

 0.9800, 0.0000,

215.2966, 420.8287

5.1839

327.7325,
261.3605, 494.0592

■ 0.0000, 0.0000,
2.2949

■ 0.0000, 0.0000,
0.7284

■ 52.6168, 32.5388,
98.1151

■ 52.6168, 32.5388,
98.1151

■ 48.6295, 27.1891,
97.2927

■ 57.4490, 39.4809,
99.2004

■ 45.4108, 23.2836,
96.7085

■ 63.1861, 48.1379,
100.5690

■ 42.8759, 20.6526,
96.3343

■ 69.8868, 58.6248,
102.2400

■ 40.9005, 19.0483,
96.1287

■ 77.6033, 71.0455,
104.2308

■ 40.6857, 18.8891,
96.1093

■ 86.3841, 85.4958,
106.5571

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.



39.7183, 32.5388, 143.0511



52.6168, 32.5388, 98.1151



60.2144, 32.5388, 48.1784

Triad

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



52.6168, 32.5388, 98.1151



35.1065, 32.5388, 1.9179



13.7406, 32.5388, 63.9271

Complementary

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



52.6168, 32.5388, 98.1151



49.1256, 78.1156, 25.8545

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.



13.1161, 32.5388, 25.1545



52.6168, 32.5388, 98.1151



23.5395, 32.5388, 2.3998

Square

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



52.6168, 32.5388, 98.1151



48.4888, 32.5388, 4.8541



16.2063, 32.5388, 7.4896



18.2184, 32.5388, 115.8995

Rectangle

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



52.6168, 32.5388, 98.1151



60.1800, 32.5388, 24.8710



16.2063, 32.5388, 7.4896



13.1285, 32.5388, 48.6187

Sweetspot

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



52.6180, 32.5401, 98.1153



78.2841, 72.1551, 104.4091



33.2548, 28.9807, 98.4489



16.2469, 14.6163, 22.2149



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.



52.6180, 32.5401, 98.1153



47.8655, 26.2207, 97.1460



58.5579, 36.2704, 68.2054



18.3540, 18.0742, 22.7713



21.3973, 9.9412, 50.2257



2.1789, 1.0172, 4.8948

Inverse Universe

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



51.0258, 33.2576, 28.5418



46.8491, 27.4163, 19.4047



46.6973, 76.5680, 39.1073



18.1830, 18.0565, 19.5809



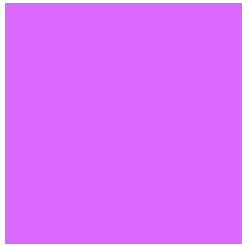
22.0152, 11.2954, 3.4647



2.1835, 1.1158, 0.5475

Previews

White Background



This preview shows how the XYZ color 52.6168, 32.5388, 98.1151 looks on a white background.

Color Contrast Check

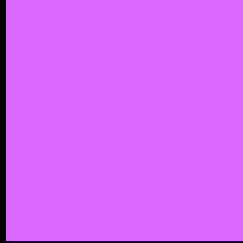
Large Text (above 18pt) WCAG AA × Fail

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 52.6168, 32.5388, 98.1151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

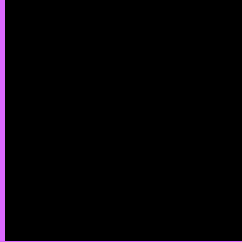
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.6168, 32.5388, 98.1151

Background



This preview shows how black text looks on a background with the XYZ color 52.6168, 32.5388, 98.1151.



This preview shows how white text looks on a background with the XYZ color 52.6168, 32.5388,

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

52.6168, 32.5388, 98.1151

Protanopia

35.8338, 33.0560, 99.0995

Deuteranopia

33.9494, 32.9801, 91.7652



Tritanopia

38.6766, 32.2096, 30.9667

Trichromacy



Original Color

52.6168, 32.5388, 98.1151



Protanomaly

39.4765, 31.1273, 98.5353



Deuteranomaly

37.8986, 30.8419, 93.5781



Tritanomaly

42.5430, 31.6197, 49.7599

Monochromacy



Original Color

52.6168, 32.5388, 98.1151



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

37.0505, 31.2808, 53.9542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6168, 32.5388, 98.1151 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(220, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 105, 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(220, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 105, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.6168, 32.5388, 98.1151 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(220, 105, 255) }
```


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

```
.border{ border-color:rgb(220, 105, 255) }
```

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

Here you see how a box with a 4 pixel rgb(220, 105, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 105,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6168, 32.5388, 98.1151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 105, 255) }
```

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

```
.background{ background-color: rgb(220,  
105, 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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