

Converting Colors

XYZ(56.2047, 45.7191,
100.4701)

Have a look what the booklet for
XYZ(56.2047, 45.7191, 100.4701)
contains.

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Color

**XYZ(56.2485, 45.8315,
100.4895)**

Conversions

Conversions Part 1

Format	Color
Hex	CEA1FF
RGB	206, 161, 255
RGB Percent	81%, 63%, 100%
CMY	0.1921, 0.3686, 0.0000
CMYK	0.19, 0.37, 0.00, 0.00
HSL	269°, 100%, 82%
HSV	269°, 37%, 100%
XYZ	56.2485, 45.8315, 100.4895
YIQ	185.1710, -3.3540, 38.7740

Conversions

Conversions Part 2

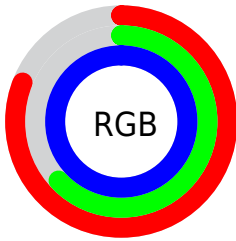
Format	Color
R _Y B	206, 161, 255
Decimal	13541887
CIE Lab	73.44, 34.29, -40.52
CIE LCh	73, 53.081, 310.234
Yxy	45.8315, 0.2777, 0.2263
Android (android.graphics.Color)	4291731967 (0xFFCEA1FF)
YUV	185.1710, 34.4257, 18.2670
Hunter-Lab	67.6990, 29.8357, -40.6183

Details

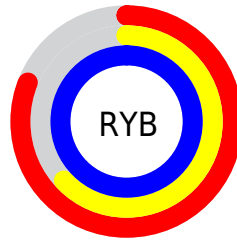
The XYZ color **56.2485, 45.8315, 100.4895** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.7719, 87.7951, 47.0415**, and the grayscale version is **46.0263, 48.4233, 52.7329**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **28.2394, 21.4985, 56.0873** is the 20% darker color. If you saturate the color by 10%, you get **48.7031, 35.9883, 98.9873**, and if you desaturate by 10%, it is **65.0176, 57.6564, 102.3097**.

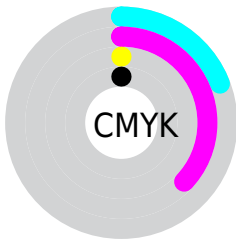
Distribution



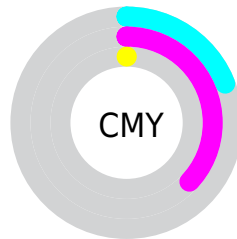
- Red (81%)
- Green (63%)
- Blue (100%)



- Red (81%)
- Yellow (63%)
- Blue (100%)



- Cyan (19%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2485, 45.8315, 100.4895 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 56.2485, 45.8315, 100.4895 by changing the saturation by 10% instead.


 56.2485, 45.8315,
100.4895

 56.2485, 45.8315,
100.4895


400.6872,
370.1308, 583.0210

 40.6400, 32.1129,
76.0902


 98.5055, 83.9668,
163.8874

 28.2243, 21.4477,
55.9994

 125.8847,
109.1522, 203.7232

 18.6361, 13.4517,
39.7985


157.9182,
138.9287, 249.5416

 11.5101, 7.7403,
27.0688

194.9713,
173.6806, 301.7610

 6.4808, 3.9292,
17.3920

237.4094,
213.7924, 360.8002

 3.1830, 1.6340,
10.3495

285.5979,

 1.2513, 0.3804,

259.6484, 427.0775

5.5227

339.9020,
311.6331, 501.0116

■ 0.1463, 0.0000,
2.4930

■ 0.0000, 0.0000,
0.8365

■ 56.2485, 45.8315,
100.4895

■ 56.2485, 45.8315,
100.4895

■ 48.7031, 35.9883,
98.9873

■ 65.0176, 57.6564,
102.3097

■ 42.3136, 28.0063,
97.7833

■ 75.0642, 71.5632,
104.4645

■ 37.0119, 21.7598,
96.8571

■ 86.4442, 87.6516,
106.9701

■ 32.7197, 17.1045,
96.1847

95.0500, 100.0000,
108.9000

■ 29.3461, 13.8716,
95.7385

■ 26.7779, 11.8483,
95.4833

■ 26.0870, 11.3632,
95.4261

Harmonies

Analogous

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



46.8373, 45.8315, 119.7373



56.2485, 45.8315, 100.4895



62.7847, 45.8315, 69.4384

Triad

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



56.2485, 45.8315, 100.4895



49.9346, 45.8315, 15.4191



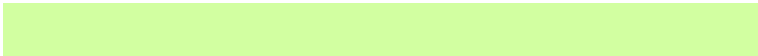
28.1445, 45.8315, 59.6299

Complementary

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



56.2485, 45.8315, 100.4895



68.7719, 87.7951, 47.0415

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.



28.7269, 45.8315, 34.4247



56.2485, 45.8315, 100.4895



40.4421, 45.8315, 14.4280

Square

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



56.2485, 45.8315, 100.4895



58.7933, 45.8315, 23.4687



32.9418, 45.8315, 19.9937



31.2177, 45.8315, 91.1388

Rectangle

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



56.2485, 45.8315, 100.4895



64.1471, 45.8315, 49.6928



32.9418, 45.8315, 19.9937



27.9312, 45.8315, 50.1133

Sweetspot

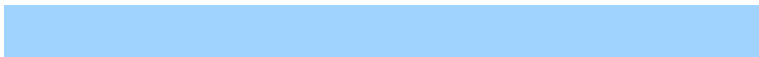
The Sweet Spot groups the original color and five complimentary colors.



56.2500, 45.8333, 100.4898



81.5692, 80.7224, 105.8896



56.0766, 61.4532, 103.5138



17.1283, 16.8099, 22.5918



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.



56.2500, 45.8333, 100.4898



50.7413, 38.6097, 99.3858



70.8922, 53.3817, 101.1750



17.8304, 17.8043, 22.7468



13.8011, 6.0252, 49.8702



1.4690, 0.6512, 4.8615

Inverse Universe

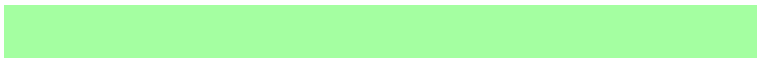
The Inverse Universe completely reimagines the original color for something new.



65.6185, 51.4043, 67.4369



61.6088, 45.0754, 60.8882



57.5315, 82.0004, 46.5154



18.4049, 18.1453, 20.7491



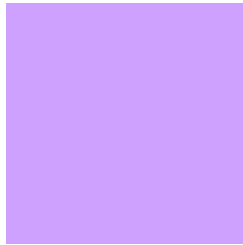
23.8342, 12.0230, 13.0431



2.3759, 1.1927, 1.5608

Previews

White Background



This preview shows how the XYZ color 56.2485, 45.8315, 100.4895 looks on a white background.

Color Contrast Check

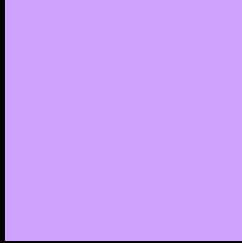
Large Text (above 18pt) WCAG AA × Fail

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 56.2485, 45.8315, 100.4895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

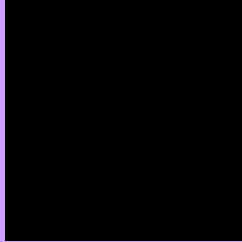
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2485, 45.8315, 100.4895

Background



This preview shows how black text looks on a background with the XYZ color 56.2485, 45.8315, 100.4895.



This preview shows how white text looks on a background with the XYZ color 56.2485, 45.8315,

100.4895.

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

56.2485, 45.8315, 100.4895

Protanopia

47.6807, 46.1287, 100.9984

Deuteranopia

47.0433, 45.8737, 97.6419



Tritanopia

46.9127, 45.8929, 53.9626

Trichromacy



Original Color

56.2485, 45.8315, 100.4895

Protanomaly

50.2581, 45.7237, 100.7844

Deuteranomaly

49.7788, 45.5320, 98.2604

Tritanomaly

49.8116, 45.6450, 68.4724

Monochromacy



Original Color

56.2485, 45.8315, 100.4895

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

49.1505, 47.0413, 67.4621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2485, 45.8315, 100.4895 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(206, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 161, 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(206, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.2485, 45.8315, 100.4895 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(206, 161, 255) }
```


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

```
.border{ border-color:rgb(206, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2485, 45.8315, 100.4895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 161, 255) }
```

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

```
.background{ background-color: rgb(206,  
161, 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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