

Converting Colors

XYZ(56.3915, 46.2632, 80.4539)

Have a look what the booklet for
XYZ(56.3915, 46.2632, 80.4539)
contains.

XYZ(56.5430, 46.4186, 80.8424)	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(56.5430, 46.4186,
80.8424)**

Conversions

Conversions Part 1

Format	Color
Hex	DCA1E6
RGB	220, 161, 230
RGB Percent	86%, 63%, 90%
CMY	0.1372, 0.3686, 0.0980
CMYK	0.04, 0.30, 0.00, 0.10
HSL	291°, 58%, 77%
HSV	291°, 30%, 90%
XYZ	56.5430, 46.4186, 80.8424
YIQ	186.5070, 13.0150, 33.9670

Conversions

Conversions Part 2

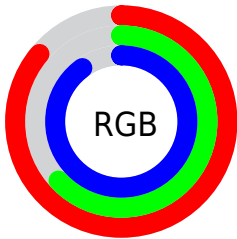
Format	Color
R_{YB}	220, 161, 230
Decimal	14459366
CIE _{Lab}	73.82, 33.38, -26.25
CIE _{LCh}	74, 42.461, 321.821
Yxy	46.4186, 0.3076, 0.2525
Android (android.graphics.Color)	4292649446 (0xFFDCA1E6)
YUV	186.5070, 21.4420, 29.3734
Hunter-Lab	68.1312, 28.9100, -22.6599

Details

The XYZ color **56.5430, 46.4186, 80.8424** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.5260, 67.8259, 44.0965**, and the grayscale version is **46.8361, 49.2752, 53.6607**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **28.4185, 21.8858, 42.7710** is the 20% darker color. If you saturate the color by 10%, you get **51.8890, 38.5925, 79.5778**, and if you desaturate by 10%, it is **61.9593, 55.7375, 82.3564**.

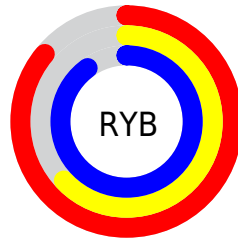
Distribution



Red (86%)

Green (63%)

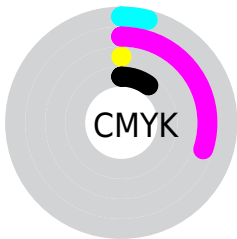
Blue (90%)



Red (86%)

Yellow (63%)

Blue (90%)

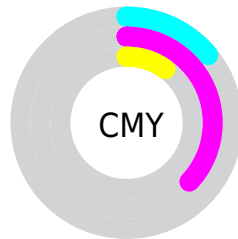


Cyan (4%)

Magenta (30%)

Yellow (0%)

Black (10%)



Cyan (14%)


Magenta (37%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5430, 46.4186, 80.8424 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 56.5430, 46.4186, 80.8424 by changing the saturation by 10% instead.


 56.5430, 46.4186,
80.8424


 56.5430, 46.4186,
80.8424


401.7766,
372.4890, 517.5487

 40.8772, 32.5763,
59.8816


 98.9333, 84.8451,
136.3715

 28.4104, 21.8020,
42.8985

 126.3884,
110.1981, 171.7769

 18.7772, 13.7115,
29.4747


158.5040,
140.1568, 212.8342

 11.6125, 7.9203,
19.1915

195.6454,
175.1055, 259.9620

 6.5507, 4.0440,
11.6306

238.1781,
215.4287, 313.5788

 3.2266, 1.6982,
6.3732

286.4672,

 1.2747, 0.4225,

261.5107, 374.1032

3.0009

340.8783,
313.7361, 441.9536

■ 0.1641, 0.0000,
1.0951

■ 0.0000, 0.0000,
0.0000

■ 56.5430, 46.4186,
80.8424

■ 56.5430, 46.4186,
80.8424

■ 51.8890, 38.5925,
79.5778

■ 61.9593, 55.7375,
82.3564

■ 47.9522, 32.1721,
78.5460

■ 68.1711, 66.6184,
84.1292

■ 44.6895, 27.0702,
77.7332

■ 75.2149, 79.1330,
86.1735

■ 42.0511, 23.1877,
77.1229

■ 83.1237, 93.3472,
88.5003

39.9802, 20.4112,
76.6961

84.8574, 95.1807,
88.7628

38.4095, 18.6058,
76.4304

85.9787, 95.7587,
88.8153

37.2224, 17.5389,
76.2871

87.1208, 96.3475,
88.8687

37.2222, 17.5388,
76.2870

88.2838, 96.9471,
88.9231

89.4678, 97.5574,
88.9786

Harmonies

Analogous

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



49.7384, 46.4186, 99.7968



56.5430, 46.4186, 80.8424



60.1051, 46.4186, 56.6908

Triad

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



56.5430, 46.4186, 80.8424



46.2173, 46.4186, 19.5482



31.9684, 46.4186, 67.6240

Complementary

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



56.5430, 46.4186, 80.8424



51.5260, 67.8259, 44.0965

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.



31.2538, 46.4186, 44.8546



56.5430, 46.4186, 80.8424



38.9405, 46.4186, 20.9366

Square

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



56.5430, 46.4186, 80.8424



53.7148, 46.4186, 24.3986



33.6637, 46.4186, 28.9528



35.7408, 46.4186, 90.7736

Rectangle

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



56.5430, 46.4186, 80.8424



59.9085, 46.4186, 42.4948



33.6637, 46.4186, 28.9528



31.3813, 46.4186, 59.5458

Sweetspot

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



56.5445, 46.4206, 80.8434



86.9476, 85.5960, 106.5468



43.6119, 42.5507, 80.7781



18.3476, 17.8571, 22.7297



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.



56.5445, 46.4206, 80.8434



67.6964, 52.3089, 101.1364



56.5018, 46.7637, 64.3468



14.7790, 14.5038, 18.1649



21.1535, 9.9709, 43.1928



1.6195, 0.7659, 3.1944

Inverse Universe

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



52.7302, 45.2551, 44.4861



62.2592, 50.6801, 47.8371



51.7692, 67.6810, 56.3192



14.4617, 14.4019, 15.3655



18.6600, 9.5982, 1.8388



1.4057, 0.7200, 0.2771

Previews

White Background



This preview shows how the XYZ color 56.5430, 46.4186, 80.8424 looks on a white background.

Color Contrast Check

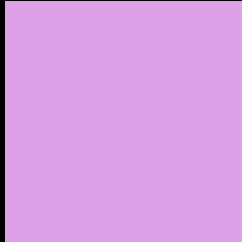
Large Text (above 18pt) WCAG AA × Fail

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 56.5430, 46.4186, 80.8424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

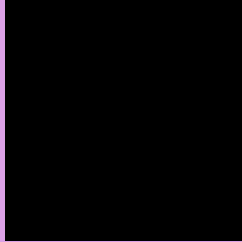
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5430, 46.4186, 80.8424

Background



This preview shows how black text looks on a background with the XYZ color 56.5430, 46.4186, 80.8424.



This preview shows how white text looks on a background with the XYZ color 56.5430, 46.4186,

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

56.5430, 46.4186, 80.8424

Protanopia

47.7591, 46.6644, 92.0779

Deuteranopia

47.6900, 46.6169, 79.1575



Tritanopia

50.3625, 46.3145, 51.0849

Trichromacy



Original Color

56.5430, 46.4186, 80.8424



Protanomaly

50.0997, 45.9274, 87.8857



Deuteranomaly

50.4943, 46.3130, 79.6767



Tritanomaly

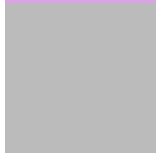
52.5629, 46.4065, 60.8306

Monochromacy



Original Color

56.5430, 46.4186, 80.8424



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

50.2531, 48.2947, 63.1731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5430, 46.4186, 80.8424 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, 161, 230)` looks like.

```
.text, #text, p{  
    color:rgb(220, 161, 230)  
}
```

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, 161, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 161, 230) }
```

Border

The CSS property to change the border of an element to XYZ 56.5430, 46.4186, 80.8424 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, 161, 230) }
```


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

```
.border{ border-color:rgb(220, 161, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 161, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 161, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 161, 230);  
box-shadow:4px 4px 4px 4px rgb(220, 161,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5430, 46.4186, 80.8424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 161, 230) }
```

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

```
.background{ background-color: rgb(220,  
161, 230) }
```

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