

Converting Colors

XYZ(56.2191, 47.5091, 84.0490)

Have a look what the booklet for
XYZ(56.2191, 47.5091, 84.0490)
contains.

XYZ(56.2191, 47.5091, 84.0490)	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(56.2191, 47.5091,
84.0490)**

Conversions

Conversions Part 1

Format	Color
Hex	D6A6EA
RGB	214, 166, 234
RGB Percent	84%, 65%, 92%
CMY	0.1608, 0.3490, 0.0823
CMYK	0.09, 0.29, 0.00, 0.08
HSL	282°, 62%, 78%
HSV	282°, 29%, 92%
XYZ	56.2191, 47.5091, 84.0490
YIQ	188.1040, 6.7800, 31.3240

Conversions

Conversions Part 2

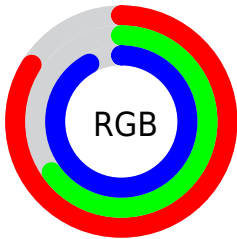
Format	Color
R _{YB}	214, 166, 234
Decimal	14067434
CIE _{Lab}	74.51, 29.56, -27.41
CIE _{LCh}	75, 40.314, 317.170
Yxy	47.5091, 0.2994, 0.2530
Android (android.graphics.Color)	4292257514 (0xFFD6A6EA)
YUV	188.1040, 22.6267, 22.7108
Hunter-Lab	68.9268, 24.9687, -24.0491

Details

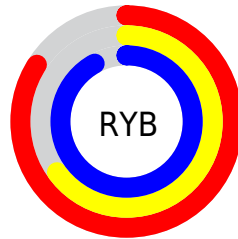
The XYZ color **56.2191, 47.5091, 84.0490** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.5570, 72.0391, 47.0026**, and the grayscale version is **47.7332, 50.2190, 54.6885**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **28.3513, 22.6199, 44.9913** is the 20% darker color. If you saturate the color by 10%, you get **50.3802, 38.7496, 82.6667**, and if you desaturate by 10%, it is **62.9198, 57.8641, 85.6953**.

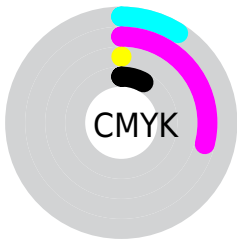
Distribution



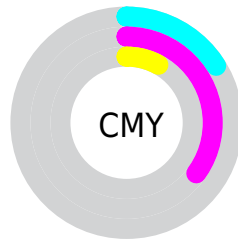
- Red (84%)
- Green (65%)
- Blue (92%)



- Red (84%)
- Yellow (65%)
- Blue (92%)



- Cyan (9%)
- Magenta (29%)
- Yellow (0%)
- Black (8%)





- Cyan (16%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2191, 47.5091, 84.0490 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 56.2191, 47.5091, 84.0490 by changing the saturation by 10% instead.


 56.2191, 47.5091,
84.0490

 56.2191, 47.5091,
84.0490


400.5783,
376.8430, 528.5382

 40.6163, 33.4383,
62.5103


 98.4628, 86.4731,
140.9061

 28.2057, 22.4624,
45.0067

 125.8344,
112.1350, 177.0615

 18.6221, 14.1971,
31.1197


157.8597,
142.4294, 218.9262

 11.4999, 8.2579,
20.4308

194.9040,
177.7408, 266.9187

 6.4739, 4.2604,
12.5214

237.3326,
218.4534, 321.4577

 3.1787, 1.8203,
6.9730

285.5110,

 1.2490, 0.4998,

264.9517, 382.9616

3.3670

339.8044,
317.6201, 451.8489

■ 0.1445, 0.0000,
1.2850

■ 0.0000, 0.0000,
0.0494

■ 56.2191, 47.5091,
84.0490

■ 56.2191, 47.5091,
84.0490

■ 50.3802, 38.7496,
82.6667

■ 62.9198, 57.8641,
85.6953

■ 45.3555, 31.4950,
81.5313

■ 70.5176, 69.8868,
87.6154

■ 41.0994, 25.6548,
80.6283

■ 79.0511, 83.6520,
89.8226

■ 37.5597, 21.1261,
79.9408

■ 87.0688, 96.2550,
91.8327

■ 34.6770, 17.7917,
79.4491

■ 89.4697, 97.4928,
91.9451

■ 32.3812, 15.5129,
79.1302

■ 91.8514, 98.7206,
92.0565

■ 30.5647, 14.0766,
78.9487

■ 30.4054, 13.9589,
78.9344

Harmonies

Analogous

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



49.4155, 47.5091, 100.2624



56.2191, 47.5091, 84.0490



60.2255, 47.5091, 61.1520

Triad

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



56.2191, 47.5091, 84.0490



48.3362, 47.5091, 21.6602



33.0589, 47.5091, 64.4890

Complementary

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



56.2191, 47.5091, 84.0490



56.5570, 72.0391, 47.0026

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.



32.8366, 47.5091, 43.3280



56.2191, 47.5091, 84.0490



41.1485, 47.5091, 22.1029

Square

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



56.2191, 47.5091, 84.0490



55.3562, 47.5091, 27.5475



35.6487, 47.5091, 28.9819



36.2927, 47.5091, 87.0506

Rectangle

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



56.2191, 47.5091, 84.0490



60.5168, 47.5091, 46.8855



35.6487, 47.5091, 28.9819



32.6428, 47.5091, 56.8958

Sweetspot

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



56.2206, 47.5111, 84.0500



85.7208, 84.9636, 106.4894



48.2223, 49.3361, 84.8239



18.0438, 17.7006, 22.7155



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.



56.2206, 47.5111, 84.0500



63.8742, 51.0186, 101.0888



60.5406, 49.9553, 74.4409



15.2583, 15.0784, 19.0285



17.2177, 7.9120, 44.3627



1.4473, 0.6704, 3.4880

Inverse Universe

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



56.4323, 48.3120, 52.8071



64.3452, 52.2474, 56.5625



53.3478, 70.2328, 53.7133



15.2477, 15.1269, 16.5898



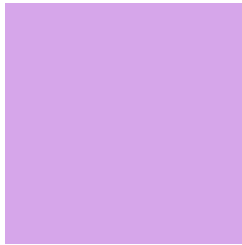
19.7161, 10.0891, 4.3066



1.5889, 0.8085, 0.5528

Previews

White Background



This preview shows how the XYZ color 56.2191, 47.5091, 84.0490 looks on a white background.

Color Contrast Check

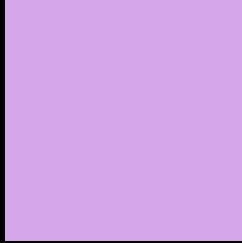
Large Text (above 18pt) WCAG AA × Fail

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 56.2191, 47.5091, 84.0490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

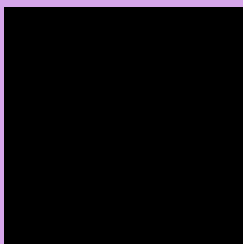
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2191, 47.5091, 84.0490

Background



This preview shows how black text looks on a background with the XYZ color 56.2191, 47.5091, 84.0490.



This preview shows how white text looks on a background with the XYZ color 56.2191, 47.5091,

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

56.2191, 47.5091, 84.0490

Protanopia

48.7312, 47.7473, 93.0339

Deuteranopia

48.8765, 47.7591, 82.2437



Tritanopia

50.1392, 47.5562, 54.1136

Trichromacy



Original Color

56.2191, 47.5091, 84.0490

Protanomaly

50.9310, 47.4688, 89.6971

Deuteranomaly

51.1307, 47.4333, 82.8046

Tritanomaly

52.3503, 47.6145, 64.1890

Monochromacy



Original Color

56.2191, 47.5091, 84.0490

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

50.3667, 48.9206, 64.5456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2191, 47.5091, 84.0490 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(214, 166, 234)` looks like.

```
.text, #text, p{  
    color:rgb(214, 166, 234)  
}
```

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(214, 166, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 166, 234) }
```

Border

The CSS property to change the border of an element to XYZ 56.2191, 47.5091, 84.0490 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(214, 166, 234) }
```


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

```
.border{ border-color:rgb(214, 166, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 166, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 166, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 166, 234);  
box-shadow:4px 4px 4px 4px rgb(214, 166,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2191, 47.5091, 84.0490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 166, 234) }
```

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

```
.background{ background-color: rgb(214,  
166, 234) }
```

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