

Converting Colors

XYZ(36.6804, 29.4481, 56.4732)

Have a look what the booklet for
XYZ(36.6804, 29.4481, 56.4732)
contains.

XYZ(36.7507, 29.4350, 56.5679)	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(36.7507, 29.4350,
56.5679)**

Conversions

Conversions Part 1

Format	Color
Hex	B481C5
RGB	180, 129, 197
RGB Percent	71%, 51%, 77%
CMY	0.2941, 0.4941, 0.2274
CMYK	0.09, 0.35, 0.00, 0.23
HSL	285°, 37%, 64%
HSV	285°, 35%, 77%
XYZ	36.7507, 29.4350, 56.5679
YIQ	152.0010, 8.5680, 31.9600

Conversions

Conversions Part 2

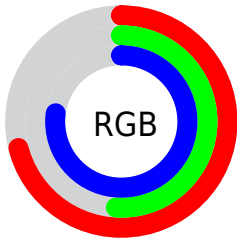
Format	Color
R _Y B	180, 129, 197
Decimal	11829701
CIE Lab	61.16, 31.66, -27.74
CIE LCh	61, 42.093, 318.775
Yxy	29.4350, 0.2994, 0.2398
Android (android.graphics.Color)	4290019781 (0xFFB481C5)
YUV	152.0010, 22.1845, 24.5551
Hunter-Lab	54.2540, 25.9681, -23.8408

Details

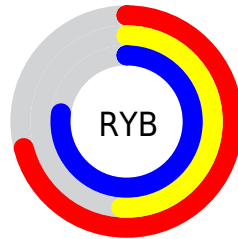
The XYZ color **36.7507, 29.4350, 56.5679** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.7837, 47.6292, 28.0775**, and the grayscale version is **29.7510, 31.3004, 34.0861**.

A 20% lighter version of the original color is **69.7479, 59.0273, 101.4832**, and **16.3581, 12.0108, 27.4427** is the 20% darker color. If you saturate the color by 10%, you get **33.2757, 24.1563, 55.7326**, and if you desaturate by 10%, it is **40.7687, 35.7377, 57.5731**.

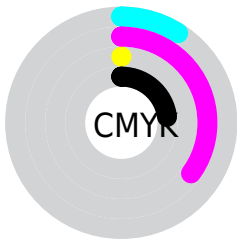
Distribution



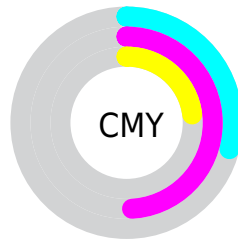
- Red (71%)
- Green (51%)
- Blue (77%)



- Red (71%)
- Yellow (51%)
- Blue (77%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)
- Black (23%)



- Cyan (29%)
- Magenta (49%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7507, 29.4350, 56.5679 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 36.7507, 29.4350, 56.5679 by changing the saturation by 10% instead.


 36.7507, 29.4350,
56.5679

 36.7507, 29.4350,
56.5679


323.6042,
299.2619, 429.2765


 25.1873, 19.4101,
40.2514


 69.5055, 58.7675,
101.3285

 16.3461, 11.9670,
27.4193


 91.4277, 78.8439,
130.6096

 9.8618, 6.7212,
17.6532


 117.5334,
103.0397, 165.0494

 5.3690, 3.2884,
10.5344

148.1882,
131.7391, 205.0663

 2.5023, 1.2841,
5.6445

183.7573,
165.3267, 251.0790

 0.8964, 0.1288,
2.5649

224.6061,

 0.0000, 0.0000,

204.1867, 303.5058

0.8742

271.1000,
248.7037, 362.7655

■ 0.0000, 0.0000,
0.0000

■ 36.7507, 29.4350,
56.5679

■ 36.7507, 29.4350,
56.5679

■ 33.2757, 24.1563,
55.7326

■ 40.7687, 35.7377,
57.5731

■ 30.3114, 19.8399,
55.0557

■ 45.3536, 43.1139,
58.7552

■ 27.8265, 16.4232,
54.5272

■ 50.5316, 51.6145,
60.1231

■ 25.7851, 13.8346,
54.1351

■ 56.3260, 61.2858,
61.6844

■ 24.1453, 11.9914,
53.8658

■ 62.7592, 72.1717,
63.4466

■ 22.8566, 10.7931,
53.7024

■ 69.8522, 84.3136,
65.4164

■ 22.2459, 10.3040,
53.6402

■ 73.7090, 89.9192,
66.2951

■ 75.1725, 90.6737,
66.3636

■ 76.6799, 91.4507,
66.4341

Harmonies

Analogous

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



31.5369, 29.4350, 70.3406



36.7507, 29.4350, 56.5679



39.7427, 29.4350, 38.3437

Triad

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



36.7507, 29.4350, 56.5679



30.0961, 29.4350, 10.5133



19.0772, 29.4350, 42.8714

Complementary

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



36.7507, 29.4350, 56.5679



35.7837, 47.6292, 28.0775

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.



18.7981, 29.4350, 26.4852



36.7507, 29.4350, 56.5679



24.6958, 29.4350, 11.0141

Square

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



36.7507, 29.4350, 56.5679



35.5772, 29.4350, 14.1824



20.7244, 29.4350, 15.8916



21.5446, 29.4350, 60.8062

Rectangle

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



36.7507, 29.4350, 56.5679



39.8424, 29.4350, 27.6293



20.7244, 29.4350, 15.8916



18.7377, 29.4350, 36.9181

Sweetspot

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



36.7517, 29.4363, 56.5685



85.1413, 83.6066, 106.2580



29.4113, 29.2574, 56.9209



17.9450, 17.4388, 22.6702



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.



36.7517, 29.4363, 56.5685



61.2976, 45.8120, 100.2196



39.1153, 30.8673, 47.0772



10.8142, 10.6780, 13.4086



14.7117, 6.8184, 35.2850



0.7599, 0.3555, 1.6737

Inverse Universe

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



36.0654, 29.6473, 31.0169



60.1130, 46.3745, 47.1624



34.2088, 46.6757, 34.4017



10.7408, 10.6797, 11.6185



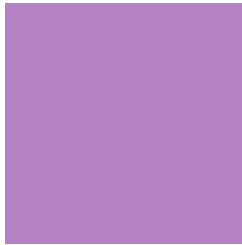
15.5420, 7.9664, 2.7980



0.7660, 0.3893, 0.2910

Previews

White Background



This preview shows how the XYZ color 36.7507, 29.4350, 56.5679 looks on a white background.

Color Contrast Check

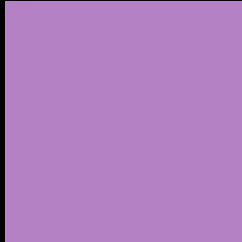
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7507, 29.4350, 56.5679 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 × Fail

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

XYZ 36.7507, 29.4350, 56.5679

Background



This preview shows how black text looks on a background with the XYZ color 36.7507, 29.4350, 56.5679.



This preview shows how white text looks on a background with the XYZ color 36.7507, 29.4350,

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

36.7507, 29.4350, 56.5679

Protanopia

30.8138, 29.8001, 65.1007

Deuteranopia

30.1795, 29.4642, 55.1355



Tritanopia

31.8910, 29.5194, 32.4507

Trichromacy



Original Color

36.7507, 29.4350, 56.5679

Protanomaly

32.4302, 29.3670, 61.7167

Deuteranomaly

32.2198, 29.1777, 55.5634

Tritanomaly

33.4514, 29.3112, 39.9709

Monochromacy



Original Color

36.7507, 29.4350, 56.5679

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.9414, 30.4551, 41.2407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7507, 29.4350, 56.5679 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(180, 129, 197)` looks like.

```
.text, #text, p{  
    color:rgb(180, 129, 197)  
}
```

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(180, 129, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 129, 197) }
```

Border

The CSS property to change the border of an element to XYZ 36.7507, 29.4350, 56.5679 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(180, 129, 197) }
```


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

```
.border{ border-color:rgb(180, 129, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 129, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 129, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 129, 197);  
box-shadow:4px 4px 4px 4px rgb(180, 129,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7507, 29.4350, 56.5679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 129, 197) }
```

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

```
.background{ background-color: rgb(180,  
129, 197) }
```

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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