

Converting Colors

XYZ(59.5149, 37.9720,
193.8692)

Have a look what the booklet for
XYZ(59.5149, 37.9720, 193.8692)
contains.

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Color

**XYZ(41.2862, 30.6577,
98.3492)**

Conversions

Conversions Part 1

Format	Color
Hex	A580FF
RGB	165, 128, 255
RGB Percent	65%, 50%, 100%
CMY	0.3529, 0.4980, 0.0000
CMYK	0.35, 0.50, 0.00, 0.00
HSL	257°, 100%, 75%
HSV	257°, 50%, 100%
XYZ	41.2862, 30.6577, 98.3492
YIQ	153.5410, -18.7150, 47.3410

Conversions

Conversions Part 2

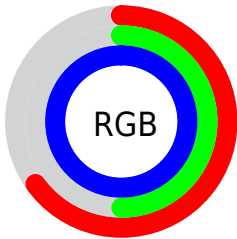
Format	Color
R _Y B	165, 128, 255
Decimal	10846463
CIE Lab	62.22, 41.52, -58.47
CIE LCh	62, 71.716, 305.380
Yxy	30.6577, 0.2424, 0.1800
Android (android.graphics.Color)	4289036543 (0xFFA580FF)
YUV	153.5410, 50.0193, 10.0495
Hunter-Lab	55.3694, 36.2021, -66.5545

Details

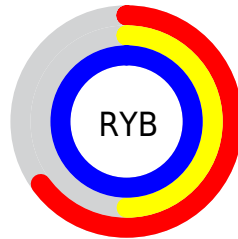
The XYZ color **41.2862, 30.6577, 98.3492** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **68.5695, 87.9838, 33.7916**, and the grayscale version is **30.3095, 31.8880, 34.7260**.

A 20% lighter version of the original color is **65.2094, 56.3639, 102.0501**, and **18.9868, 12.6681, 54.2678** is the 20% darker color. If you saturate the color by 10%, you get **34.8716, 23.0187, 97.2129**, and if you desaturate by 10%, it is **49.0698, 40.2437, 99.7893**.

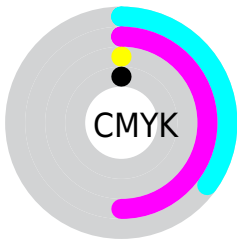
Distribution



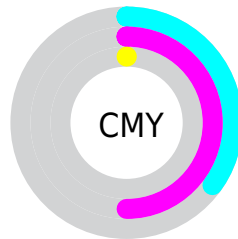
- Red (65%)
- Green (50%)
- Blue (100%)



- Red (65%)
- Yellow (50%)
- Blue (100%)



- Cyan (35%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2862, 30.6577, 98.3492 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 41.2862, 30.6577, 98.3492 by changing the saturation by 10% instead.

41.2862, 30.6577,
98.3492

41.2862, 30.6577,
98.3492

342.5576,
304.9582, 576.0884

28.7314, 20.3383,
74.3134

76.3901, 60.7007,
160.9188

19.0210, 12.6412,
54.5523

99.6700, 81.1932,
200.2897

11.7896, 7.1820,
38.6472

127.2556,
105.8455, 245.6094

6.6717, 3.5762,
26.1797

159.5124,
135.0420, 297.2963

3.3022, 1.4394,
16.7311

196.8056,
169.1672, 355.7692

1.3155, 0.2455,
9.8830

239.5006,

0.1948, 0.0000,

208.6053, 421.4465

5.2169

287.9628,
253.7409, 494.7467

■ 0.0000, 0.0000,
2.3141

■ 0.0000, 0.0000,
0.7391

■ 41.2862, 30.6577,
98.3492

■ 41.2862, 30.6577,
98.3492

■ 34.8716, 23.0187,
97.2129

■ 49.0698, 40.2437,
99.7893

■ 29.7365, 17.1845,
96.3574

■ 58.2970, 51.8988,
101.5526

■ 25.7854, 12.9979,
95.7575

■ 69.0407, 65.7385,
103.6577

■ 22.9056, 10.2716,
95.3831

■ 81.3681, 81.8688,
106.1214

■ 20.9299, 8.7127,
95.1863

95.0500, 100.0000,
108.9000

■ 20.8968, 8.6876,
95.1832

Harmonies

Analogous

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



30.9177, 30.6577, 119.4275



41.2862, 30.6577, 98.3492



49.5236, 30.6577, 60.8453

Triad

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



41.2862, 30.6577, 98.3492



37.5928, 30.6577, 4.6009



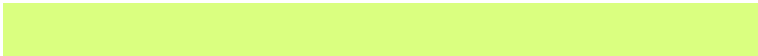
14.2699, 30.6577, 38.6273

Complementary

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



41.2862, 30.6577, 98.3492



68.5695, 87.9838, 33.7916

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.



15.2928, 30.6577, 15.7471



41.2862, 30.6577, 98.3492



27.4303, 30.6577, 3.4779

Square

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



41.2862, 30.6577, 98.3492



47.0819, 30.6577, 11.0662



19.6443, 30.6577, 6.0660



16.4555, 30.6577, 74.6840

Rectangle

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



41.2862, 30.6577, 98.3492



51.8816, 30.6577, 37.8570



19.6443, 30.6577, 6.0660



14.2566, 30.6577, 29.2725

Sweetspot

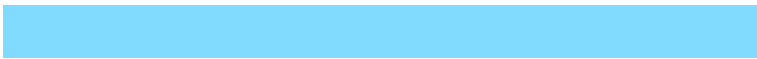
The Sweet Spot groups the original color and five complimentary colors.



41.2874, 30.6588, 98.3494



74.7598, 73.1936, 104.7953



52.2885, 62.4815, 103.9120



15.4547, 14.9520, 22.3214



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.



41.2874, 30.6588, 98.3494



34.7583, 22.8868, 97.1934



57.6009, 39.0687, 99.1129



17.5002, 17.6341, 22.7313



11.0469, 4.6054, 49.7413



1.1786, 0.5015, 4.8480

Inverse Universe

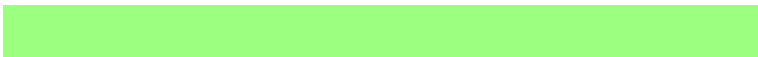
The Inverse Universe completely reimagines the original color for something new.



61.6142, 41.7609, 71.1421



57.6770, 35.4370, 65.0495



53.2738, 80.0986, 33.0757



18.5538, 18.2048, 21.5336



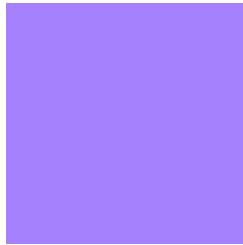
25.9593, 12.8730, 24.2338



2.5752, 1.2724, 2.6103

Previews

White Background



This preview shows how the XYZ color 41.2862, 30.6577, 98.3492 looks on a white background.

Color Contrast Check

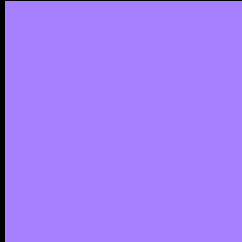
Large Text (above 18pt) WCAG AA × Fail

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 41.2862, 30.6577, 98.3492 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 41.2862, 30.6577, 98.3492

Background



This preview shows how black text looks on a background with the XYZ color 41.2862, 30.6577, 98.3492.



This preview shows how white text looks on a background with the XYZ color 41.2862, 30.6577,

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

41.2862, 30.6577, 98.3492

Protanopia

34.0772, 30.9710, 98.7897

Deuteranopia

31.9781, 30.9202, 94.7252



Tritanopia

29.1050, 30.4411, 38.5241

Trichromacy



Original Color

41.2862, 30.6577, 98.3492

Protanomaly

36.0323, 30.4118, 98.5787

Deuteranomaly

34.2032, 30.1839, 96.1188

Tritanomaly

32.5857, 30.0069, 56.2990

Monochromacy



Original Color

41.2862, 30.6577, 98.3492

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.6299, 31.2815, 53.5557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2862, 30.6577, 98.3492 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(165, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 128, 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(165, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.2862, 30.6577, 98.3492 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(165, 128, 255) }
```


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

```
.border{ border-color:rgb(165, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 128, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 128, 255); box-shadow:4px 4px 4px 4px rgb(165, 128, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2862, 30.6577, 98.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 128, 255) }
```

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

```
.background{ background-color: rgb(165,  
128, 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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