

Converting Colors

XYZ(36.6662, 27.8925, 98.0590)

Have a look what the booklet for
XYZ(36.6662, 27.8925, 98.0590)
contains.

XYZ(36.6662, 27.8925, 98.0590)	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(36.6662, 27.8925,
98.0590)**

Conversions

Conversions Part 1

Format	Color
Hex	8E7EFF
RGB	142, 126, 255
RGB Percent	56%, 49%, 100%
CMY	0.4431, 0.5059, 0.0000
CMYK	0.44, 0.51, 0.00, 0.00
HSL	247°, 100%, 75%
HSV	247°, 51%, 100%
XYZ	36.6662, 27.8925, 98.0590
YIQ	145.4900, -31.8730, 43.5110

Conversions

Conversions Part 2

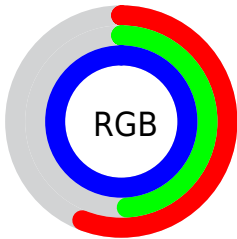
Format	Color
R _Y B	142, 126, 255
Decimal	9338623
CIE Lab	59.79, 37.29, -62.47
CIE LCh	60, 72.751, 300.839
Yxy	27.8925, 0.2255, 0.1715
Android (android.graphics.Color)	4287528703 (0xFF8E7EFF)
YUV	145.4900, 53.9884, -3.0607
Hunter-Lab	52.8134, 31.5021, -73.1149

Details

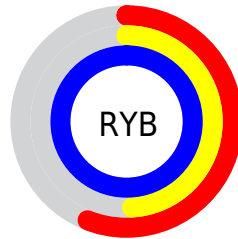
The XYZ color **36.6662, 27.8925, 98.0590** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **75.1215, 91.3765, 33.4174**, and the grayscale version is **26.9103, 28.3117, 30.8314**.

A 20% lighter version of the original color is **58.2575, 51.8777, 101.5506**, and **16.2992, 11.1780, 54.1218** is the 20% darker color. If you saturate the color by 10%, you get **30.3553, 20.4003, 96.9455**, and if you desaturate by 10%, it is **44.5780, 37.4440, 99.4856**.

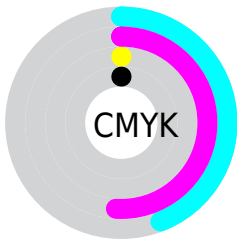
Distribution



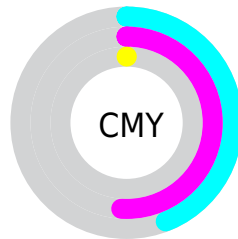
- Red (56%)
- Green (49%)
- Blue (100%)



- Red (56%)
- Yellow (49%)
- Blue (100%)



- Cyan (44%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6662, 27.8925, 98.0590 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 36.6662, 27.8925, 98.0590 by changing the saturation by 10% instead.

■ 36.6662, 27.8925,
98.0590

■ 36.6662, 27.8925,
98.0590

323.2438,
291.9529, 575.1450

■ 25.1216, 18.2446,
74.0727

■ 69.3763, 56.3128,
160.5158

■ 16.2969, 11.1258,
54.3564

■ 91.2725, 75.8540,
199.8233

■ 9.8267, 6.1515,
38.4916

■ 117.3500, 99.4617,
245.0750

■ 5.3456, 2.9374,
26.0596

147.9741,
127.5205, 296.6895

■ 2.4882, 1.0991,
16.6421

183.5101,
160.4145, 355.0851

■ 0.8893, 0.0000,
9.8204

224.3236,

■ 0.0000, 0.0000,

198.5284, 420.6806

5.1760

270.7796,
242.2464, 493.8943

■ 0.0000, 0.0000,
2.2903

■ 0.0000, 0.0000,
0.7258

■ 36.6662, 27.8925,
98.0590

■ 36.6662, 27.8925,
98.0590

■ 30.3553, 20.4003,
96.9455

■ 44.5780, 37.4440,
99.4856

■ 25.5314, 14.8121,
96.1211

■ 54.1873, 49.1892,
101.2462

■ 22.0707, 10.9545,
95.5589

■ 65.5871, 63.2544,
103.3602

■ 19.8270, 8.6210,
95.2268

■ 78.8623, 79.7552,
105.8455

■ 18.6344, 7.5213,
95.0773

94.0927, 98.7997,
108.7188

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



26.7711, 27.8925, 114.5619



36.6662, 27.8925, 98.0590



45.1802, 27.8925, 62.3980

Triad

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



36.6662, 27.8925, 98.0590



36.1116, 27.8925, 4.1201



12.4521, 27.8925, 31.1187

Complementary

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



36.6662, 27.8925, 98.0590



75.1215, 91.3765, 33.4174

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.



13.8572, 27.8925, 11.7525



36.6662, 27.8925, 98.0590



26.2526, 27.8925, 2.6462

Square

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



36.6662, 27.8925, 98.0590



44.8114, 27.8925, 11.0827



18.4287, 27.8925, 4.3193



14.0261, 27.8925, 64.4996

Rectangle

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



36.6662, 27.8925, 98.0590



48.1225, 27.8925, 39.1832



18.4287, 27.8925, 4.3193



12.5880, 27.8925, 22.9889

Sweetspot

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



36.6673, 27.8934, 98.0591



72.7683, 72.1669, 104.7021



57.7999, 73.9466, 105.8345



14.9806, 14.7076, 22.2992



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.



36.6673, 27.8934, 98.0591



30.1277, 20.1333, 96.9059



50.8401, 35.1998, 98.7224



17.2123, 17.4857, 22.7178



9.8017, 3.9635, 49.6830



1.0173, 0.4184, 4.8404

Inverse Universe

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



64.2806, 42.4140, 86.4575



60.8417, 36.3080, 82.9320



57.3066, 82.1926, 32.5837



18.6899, 18.2593, 22.2503



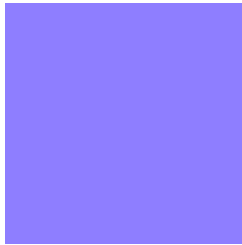
28.5724, 13.9182, 37.9941



2.8081, 1.3656, 3.8366

Previews

White Background



This preview shows how the XYZ color 36.6662, 27.8925, 98.0590 looks on a white background.

Color Contrast Check

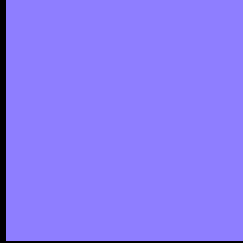
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6662, 27.8925, 98.0590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

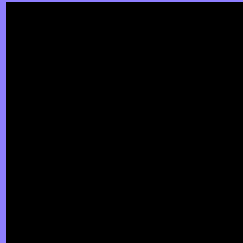
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6662, 27.8925, 98.0590

Background



This preview shows how black text looks on a background with the XYZ color 36.6662, 27.8925, 98.0590.



This preview shows how white text looks on a background with the XYZ color 36.6662, 27.8925,

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

36.6662, 27.8925, 98.0590

Protanopia

31.5479, 28.1000, 98.3688

Deuteranopia

29.3224, 28.3636, 95.1960



Tritanopia

24.5166, 27.8500, 37.8016

Trichromacy



Original Color

36.6662, 27.8925, 98.0590

Protanomaly

32.8983, 27.7361, 98.2274

Deuteranomaly

30.7338, 27.5197, 95.7875

Tritanomaly

27.9794, 27.4255, 55.4487

Monochromacy



Original Color

36.6662, 27.8925, 98.0590

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.3470, 27.6090, 49.6813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6662, 27.8925, 98.0590 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(142, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 126, 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(142, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 126, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.6662, 27.8925, 98.0590 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(142, 126, 255) }
```


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

```
.border{ border-color:rgb(142, 126, 255) }
```

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

Here you see how a box with a 4 pixel rgb(142, 126, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 126,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6662, 27.8925, 98.0590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 126, 255) }
```

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

```
.background{ background-color: rgb(142,  
126, 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](#).

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