

Converting Colors

XYZ(38.1846, 36.5362, 66.7270)

Have a look what the booklet for
XYZ(38.1846, 36.5362, 66.7270)
contains.

XYZ(38.0853, 36.4260, 66.6516)	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(38.0853, 36.4260,
66.6516)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9ED3
RGB	158, 158, 211
RGB Percent	62%, 62%, 83%
CMY	0.3804, 0.3804, 0.1725
CMYK	0.25, 0.25, 0.00, 0.17
HSL	240°, 38%, 72%
HSV	240°, 25%, 83%
XYZ	38.0853, 36.4260, 66.6516
YIQ	164.0420, -17.0130, 16.4830

Conversions

Conversions Part 2

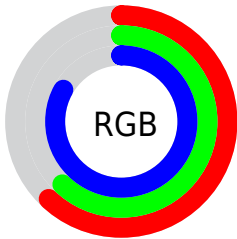
Format	Color
R_{YB}	158, 158, 211
Decimal	10395347
CIE _{Lab}	66.84, 11.53, -26.98
CIE _{LCh}	67, 29.343, 293.140
Yxy	36.4260, 0.2698, 0.2580
Android (android.graphics.Color)	4288585427 (0xFF9E9ED3)
YUV	164.0420, 23.1503, -5.2988
Hunter-Lab	60.3540, 7.0199, -23.2289

Details

The XYZ color **38.0853, 36.4260, 66.6516** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.3303, 62.9063, 41.5221**, and the grayscale version is **35.2067, 37.0402, 40.3368**.

A 20% lighter version of the original color is **69.2848, 68.9546, 104.2656**, and **17.0841, 15.9189, 33.6247** is the 20% darker color. If you saturate the color by 10%, you get **30.9905, 27.8773, 65.3761**, and if you desaturate by 10%, it is **46.5129, 46.5807, 68.1681**.

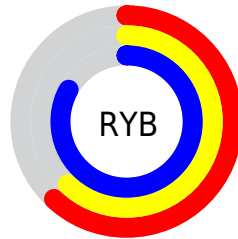
Distribution



Red (62%)

Green (62%)

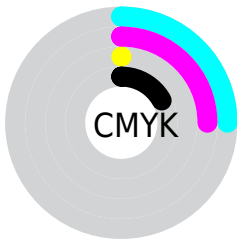
Blue (83%)



Red (62%)

Yellow (62%)

Blue (83%)

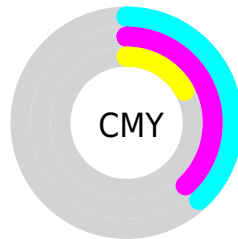


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (17%)



Cyan (38%)

Magenta (38%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0853, 36.4260, 66.6516 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 38.0853, 36.4260, 66.6516 by changing the saturation by 10% instead.

■ 38.0853, 36.4260,
66.6516

■ 38.0853, 36.4260,
66.6516

329.2603,
330.8187, 467.1713

■ 26.2264, 24.7634,
48.3417

■ 71.5419, 69.6891,
116.0570

■ 17.1267, 15.9009,
33.7357

■ 93.8704, 92.0583,
147.9895

■ 10.4207, 9.4540,
22.4149

120.4194,
118.7653, 185.3000

■ 5.7432, 5.0385,
13.9609

151.5543,
150.1942, 228.4071

■ 2.7287, 2.2699,
7.9550

187.6405,
186.7297, 277.7292

■ 1.0120, 0.7577,
3.9788

229.0433,

■ 0.0000, 0.0000,

228.7560, 333.6849

1.6137

276.1281,
276.6575, 396.6928

■ 0.0000, 0.0000,
0.3006

■ 0.0000, 0.0000,
0.0000

■ 38.0853, 36.4260,
66.6516

■ 38.0853, 36.4260,
66.6516

■ 30.9905, 27.8773,
65.3761

■ 46.5129, 46.5807,
68.1681

■ 25.1570, 20.8483,
64.3268

■ 56.3329, 58.4131,
69.9344

■ 20.5120, 15.2514,
63.4913

■ 67.6055, 71.9958,
71.9620

■ 16.9739, 10.9882,
62.8549

■ 80.3865, 87.3959,
74.2609

■ 14.4508, 7.9479,
62.4011

■ 88.7580, 97.4832,
75.7667

■ 12.8359, 6.0020,
62.1106

■ 11.9988, 4.9934,
61.9600

■ 11.7580, 4.7033,
61.9167

Harmonies

Analogous

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



33.6124, 36.4260, 69.2161



38.0853, 36.4260, 66.6516



41.9094, 36.4260, 56.2053

Triad

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



38.0853, 36.4260, 66.6516



39.9981, 36.4260, 23.1431



26.8206, 36.4260, 36.8132

Complementary

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



38.0853, 36.4260, 66.6516



56.3303, 62.9063, 41.5221

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.



28.2322, 36.4260, 26.7318



38.0853, 36.4260, 66.6516



35.6513, 36.4260, 20.0068

Square

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



38.0853, 36.4260, 66.6516



43.0780, 36.4260, 30.8107



31.3750, 36.4260, 21.1636



27.3517, 36.4260, 50.0637

Rectangle

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



38.0853, 36.4260, 66.6516



43.4490, 36.4260, 47.1819



31.3750, 36.4260, 21.1636



27.0793, 36.4260, 32.9864

Sweetspot

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



38.0865, 36.4275, 66.6524



81.7730, 84.0022, 106.5119



49.0431, 58.5174, 69.7597



17.0031, 17.3779, 22.7081



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.



38.0865, 36.4275, 66.6524



52.5453, 48.7848, 101.2547



43.6612, 39.3011, 66.9133



11.1637, 11.4177, 14.8591



7.0959, 2.8384, 37.3664



0.3968, 0.1587, 2.0893

Inverse Universe

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



45.2634, 40.7724, 37.8335



65.3464, 56.5347, 49.8520



49.5669, 59.4199, 41.2057



11.8088, 11.8083, 12.2689



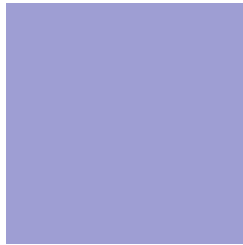
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 38.0853, 36.4260, 66.6516 looks on a white background.

Color Contrast Check

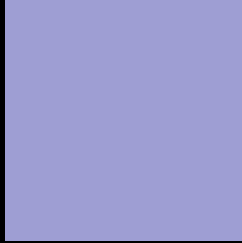
Large Text (above 18pt) WCAG AA × Fail

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 38.0853, 36.4260, 66.6516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

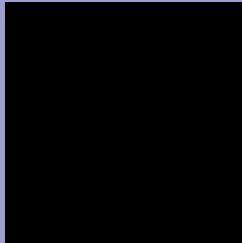
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0853, 36.4260, 66.6516

Background



This preview shows how black text looks on a background with the XYZ color 38.0853, 36.4260, 66.6516.



This preview shows how white text looks on a background with the XYZ color 38.0853, 36.4260,

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

38.0853, 36.4260, 66.6516

Protanopia

36.9679, 36.5897, 68.0649

Deuteranopia

37.4655, 36.6171, 66.7212



Tritanopia

33.9738, 36.3046, 46.8118

Trichromacy



Original Color

38.0853, 36.4260, 66.6516

Protanomaly

37.4034, 36.5705, 67.3748

Deuteranomaly

37.6736, 36.4680, 66.6814

Tritanomaly

35.4321, 36.3848, 53.2996

Monochromacy



Original Color

38.0853, 36.4260, 66.6516

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.1611, 36.8582, 48.9245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0853, 36.4260, 66.6516 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(158, 158, 211)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 211)  
}
```

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(158, 158, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 211) }
```

Border

The CSS property to change the border of an element to XYZ 38.0853, 36.4260, 66.6516 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(158, 158, 211) }
```


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

```
.border{ border-color:rgb(158, 158, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 211);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0853, 36.4260, 66.6516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 211) }
```

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

```
.background{ background-color: rgb(158,  
158, 211) }
```

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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