

Converting Colors

XYZ(36.0543, 36.7244, 86.0768)

Have a look what the booklet for
XYZ(36.0543, 36.7244, 86.0768)
contains.

XYZ(36.0902, 36.7963, 86.0892)	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(36.0902, 36.7963,
86.0892)**

Conversions

Conversions Part 1

Format	Color
Hex	74A5EE
RGB	116, 165, 238
RGB Percent	45%, 65%, 93%
CMY	0.5451, 0.3529, 0.0667
CMYK	0.51, 0.31, 0.00, 0.07
HSL	216°, 78%, 69%
HSV	216°, 51%, 93%
XYZ	36.0902, 36.7963, 86.0892
YIQ	158.6710, -52.6370, 12.3150

Conversions

Conversions Part 2

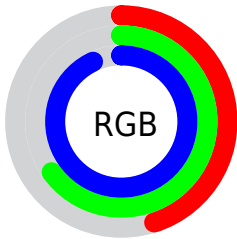
Format	Color
R _Y B	116, 151, 238
Decimal	7644654
CIE Lab	67.12, 3.77, -41.62
CIE LCh	67, 41.792, 275.179
Yxy	36.7963, 0.2270, 0.2315
Android (android.graphics.Color)	4285834734 (0xFF74A5EE)
YUV	158.6710, 39.1092, -37.4225
Hunter-Lab	60.6600, 0.0453, -41.6830

Details

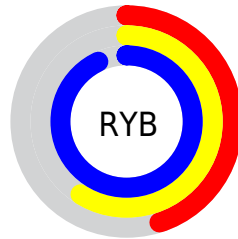
The XYZ color **36.0902, 36.7963, 86.0892** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.6114, 55.8354, 24.3183**, and the grayscale version is **32.6502, 34.3506, 37.4078**.

A 20% lighter version of the original color is **61.0988, 67.4051, 104.3980**, and **16.0364, 16.2243, 46.5424** is the 20% darker color. If you saturate the color by 10%, you get **30.8951, 30.5154, 85.1514**, and if you desaturate by 10%, it is **42.3843, 44.0697, 87.1621**.

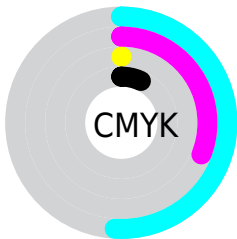
Distribution



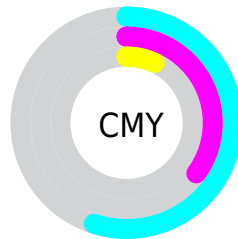
- Red (45%)
- Green (65%)
- Blue (93%)



- Red (45%)
- Yellow (59%)
- Blue (93%)



- Cyan (51%)
- Magenta (31%)
- Yellow (0%)
- Black (7%)



- Cyan (55%)
- Magenta (35%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0902, 36.7963, 86.0892 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 36.0902, 36.7963, 86.0892 by changing the saturation by 10% instead.

■ 36.0902, 36.7963,
86.0892

■ 36.0902, 36.7963,
86.0892

320.7790,
332.4278, 535.4636

■ 24.6743, 25.0498,
64.1864

■ 68.4942, 70.2594,
143.7816

■ 15.9620, 16.1142,
46.3545

■ 90.2131, 92.7448,
180.4083

■ 9.5879, 9.6050,
32.1750

■ 116.0969,
119.5786, 222.7801

■ 5.1868, 5.1378,
21.2293

146.5112,
151.1452, 271.3154

■ 2.3931, 2.3284,
13.0988

181.8211,
187.8290, 326.4329

■ 0.8417, 0.7887,
7.3651

222.3922,

■ 0.0000, 0.0000,

230.0145, 388.5511

3.6096

268.5897,
278.0859, 458.0884

■ 0.0000, 0.0000,
1.4137

■ 0.0000, 0.0000,
0.1524

■ 36.0902, 36.7963,
86.0892

■ 36.0902, 36.7963,
86.0892

■ 30.8951, 30.5154,
85.1514

■ 42.3843, 44.0697,
87.1621

■ 26.7226, 25.1718,
84.3399

■ 49.8387, 52.3785,
88.3730

■ 23.4914, 20.7096,
83.6489

■ 58.5149, 61.7676,
89.7279

■ 21.1044, 17.0634,
83.0709

■ 68.4685, 72.2778,
91.2320

■ 19.5781, 14.4638,
82.6496

■ 79.7514, 83.9476,
92.8898

■ 90.9985, 96.0845,
94.6397

■ 92.4328, 98.9531,
95.1178

Harmonies

Analogous

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



30.0839, 36.7963, 81.0384



36.0902, 36.7963, 86.0892



42.5090, 36.7963, 76.0827

Triad

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



36.0902, 36.7963, 86.0892



45.9606, 36.7963, 23.0744



25.0006, 36.7963, 27.0795

Complementary

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



36.0902, 36.7963, 86.0892



56.6114, 55.8354, 24.3183

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.



28.3862, 36.7963, 17.7029



36.0902, 36.7963, 86.0892



40.3668, 36.7963, 15.9301

Square

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



36.0902, 36.7963, 86.0892



48.6326, 36.7963, 36.9836



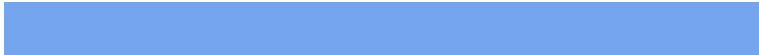
33.8806, 36.7963, 14.3148



24.1466, 36.7963, 43.3128

Rectangle

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



36.0902, 36.7963, 86.0892



46.0133, 36.7963, 63.5956



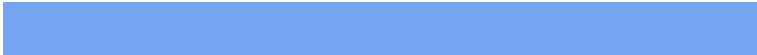
33.8806, 36.7963, 14.3148



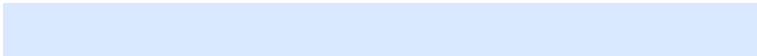
25.8583, 36.7963, 23.1990

Sweetspot

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



36.0915, 36.7976, 86.0901



75.4792, 79.7099, 106.0151



46.7658, 68.4582, 57.8579



15.6275, 16.5037, 22.6118



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.



36.0915, 36.7976, 86.0901



35.6089, 35.0355, 99.4935



30.3084, 23.1139, 83.7537



15.4183, 16.2708, 20.0495



11.0412, 8.3067, 46.1493



1.0134, 0.8808, 3.8708

Inverse Universe

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



48.2980, 33.3861, 39.4970



51.8855, 32.3429, 36.9484



65.6700, 78.8777, 28.2885



16.0358, 15.8640, 17.7449



20.8987, 10.6319, 7.3832



1.7865, 0.9036, 0.8665

Previews

White Background



This preview shows how the XYZ color 36.0902, 36.7963, 86.0892 looks on a white background.

Color Contrast Check

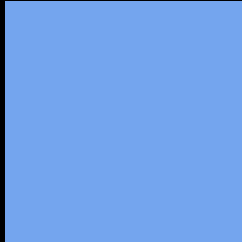
Large Text (above 18pt) WCAG AA × Fail

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 36.0902, 36.7963, 86.0892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

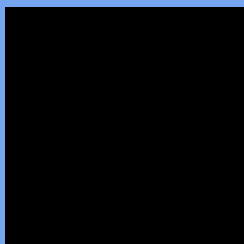
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

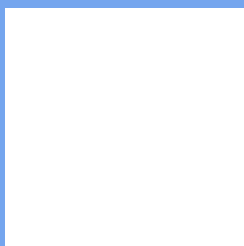
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0902, 36.7963, 86.0892

Background



This preview shows how black text looks on a background with the XYZ color 36.0902, 36.7963, 86.0892.



This preview shows how white text looks on a background with the XYZ color 36.0902, 36.7963,

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

36.0902, 36.7963, 86.0892

Protanopia

38.0695, 36.5711, 82.8943

Deuteranopia

37.8604, 36.8980, 86.7879



Tritanopia

29.7708, 37.0434, 53.7251

Trichromacy



Original Color

36.0902, 36.7963, 86.0892

Protanomaly

37.2758, 36.6641, 83.7095

Deuteranomaly

37.2814, 36.8620, 86.8115

Tritanomaly

31.7693, 36.6950, 64.4399

Monochromacy



Original Color

36.0902, 36.7963, 86.0892

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.1497, 34.9602, 52.5778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0902, 36.7963, 86.0892 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(116, 165, 238)` looks like.

```
.text, #text, p{  
    color:rgb(116, 165, 238)  
}
```

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(116, 165, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 165, 238) }
```

Border

The CSS property to change the border of an element to XYZ 36.0902, 36.7963, 86.0892 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(116, 165, 238) }
```


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

```
.border{ border-color:rgb(116, 165, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 165, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 165, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 165, 238); box-shadow:4px 4px 4px 4px rgb(116, 165, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0902, 36.7963, 86.0892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 165, 238) }
```

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

```
.background{ background-color: rgb(116,  
165, 238) }
```

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