

Converting Colors

XYZ(36.0181, 35.8084, 82.5980)

Have a look what the booklet for
XYZ(36.0181, 35.8084, 82.5980)
contains.

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Color

**XYZ(36.0536, 35.7902,
82.8499)**

Conversions

Conversions Part 1

Format	Color
Hex	7DA1EA
RGB	125, 161, 234
RGB Percent	49%, 63%, 92%
CMY	0.5098, 0.3686, 0.0823
CMYK	0.47, 0.31, 0.00, 0.08
HSL	220°, 72%, 70%
HSV	220°, 47%, 92%
XYZ	36.0536, 35.7902, 82.8499
YIQ	158.5580, -44.8890, 15.0710

Conversions

Conversions Part 2

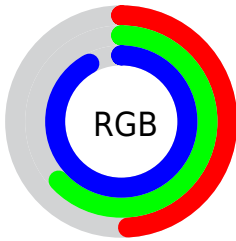
Format	Color
R _Y B	125, 152, 234
Decimal	8233450
CIE Lab	66.36, 6.95, -40.59
CIE LCh	66, 41.180, 279.711
Yxy	35.7902, 0.2331, 0.2314
Android (android.graphics.Color)	4286423530 (0xFF7DA1EA)
YUV	158.5580, 37.1929, -29.4304
Hunter-Lab	59.8249, 2.8798, -40.2317

Details

The XYZ color **36.0536, 35.7902, 82.8499** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **57.8289, 59.3632, 27.8140**, and the grayscale version is **32.6047, 34.3027, 37.3556**.

A 20% lighter version of the original color is **61.8973, 66.2768, 104.1381**, and **15.9957, 15.5952, 44.2866** is the 20% darker color. If you saturate the color by 10%, you get **30.4622, 29.0943, 81.8528**, and if you desaturate by 10%, it is **42.7955, 43.5901, 84.0008**.

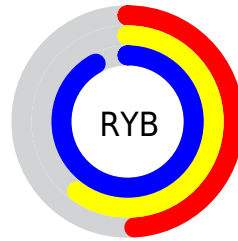
Distribution



Red (49%)

Green (63%)

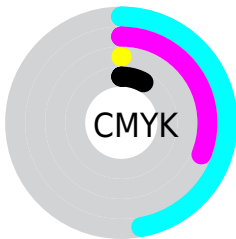
Blue (92%)



Red (49%)

Yellow (60%)

Blue (92%)

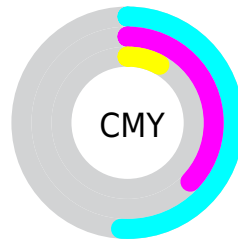


Cyan (47%)

Magenta (31%)

Yellow (0%)

Black (8%)



Cyan (51%)

Magenta (37%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0536, 35.7902, 82.8499 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 36.0536, 35.7902, 82.8499 by changing the saturation by 10% instead.

■ 36.0536, 35.7902,
82.8499

■ 36.0536, 35.7902,
82.8499

320.6219,
328.0426, 524.4440

■ 24.6459, 24.2722,
61.5264

■ 68.4381, 68.7081,
139.2126

■ 15.9408, 15.5357,
44.2168

■ 90.1456, 90.8768,
175.0889

■ 9.5728, 9.1962,
30.5026

■ 116.0172,
117.3646, 216.6532

■ 5.1767, 4.8694,
19.9651

146.4180,
148.5558, 264.3241

■ 2.3872, 2.1708,
12.1858

181.7135,
184.8348, 318.5200

■ 0.8387, 0.7040,
6.7463

222.2691,

■ 0.0000, 0.0000,

226.5860, 379.6597

3.2279

268.4501,
274.1938, 448.1615

■ 0.0000, 0.0000,
1.2122

■ 0.0000, 0.0000,
0.0000

■ 36.0536, 35.7902,
82.8499

■ 36.0536, 35.7902,
82.8499

■ 30.4622, 29.0943,
81.8528

■ 42.7955, 43.5901,
84.0008

■ 25.9474, 23.4435,
81.0001

■ 50.7477, 52.5407,
85.3093

■ 22.4321, 18.7789,
80.2850

■ 59.9705, 62.6906,
86.7823

■ 19.8260, 15.0326,
79.6993

■ 70.5186, 74.0843,
88.4256

■ 18.0176, 12.1242,
79.2332

■ 82.4438, 86.7639,
90.2445

■ 17.5251, 11.2879,
79.0977

■ 91.8514, 98.7206,
92.0565

Harmonies

Analogous

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



30.0754, 35.7902, 80.2036



36.0536, 35.7902, 82.8499



42.1555, 35.7902, 71.3022

Triad

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



36.0536, 35.7902, 82.8499



43.9612, 35.7902, 21.0737



24.0782, 35.7902, 28.3556

Complementary

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



36.0536, 35.7902, 82.8499



57.8289, 59.3632, 27.8140

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.



27.0007, 35.7902, 18.2739



36.0536, 35.7902, 82.8499



38.2899, 35.7902, 15.0350

Square

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



36.0536, 35.7902, 82.8499



47.0711, 35.7902, 33.5260



32.0596, 35.7902, 14.1938



23.6323, 35.7902, 44.9723

Rectangle

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



36.0536, 35.7902, 82.8499



45.2977, 35.7902, 58.6925



32.0596, 35.7902, 14.1938



24.7851, 35.7902, 24.2488

Sweetspot

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



36.0549, 35.7915, 82.8508



75.9550, 79.5291, 105.9551



48.0362, 67.2685, 63.6784



15.6898, 16.4054, 22.5896



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.



36.0549, 35.7915, 82.8508



37.2180, 35.5987, 99.5174



33.5430, 26.4640, 81.1828



14.6376, 15.3616, 19.1158



9.9507, 6.5485, 44.4825



0.8666, 0.6846, 3.5213

Inverse Universe

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



47.6995, 34.7344, 37.9097



53.3457, 35.4083, 36.9885



61.3952, 74.9008, 30.6251



15.2706, 15.1361, 16.7103



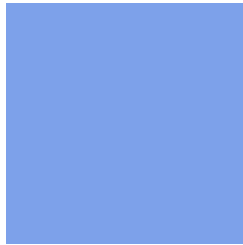
19.8780, 10.1539, 5.1587



1.6039, 0.8145, 0.6316

Previews

White Background



This preview shows how the XYZ color 36.0536, 35.7902, 82.8499 looks on a white background.

Color Contrast Check

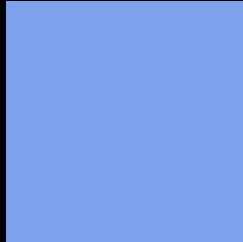
Large Text (above 18pt) WCAG AA × Fail

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 36.0536, 35.7902, 82.8499 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 36.0536, 35.7902, 82.8499

Background



This preview shows how black text looks on a background with the XYZ color 36.0536, 35.7902, 82.8499.



This preview shows how white text looks on a background with the XYZ color 36.0536, 35.7902,

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

36.0536, 35.7902, 82.8499

Protanopia

37.1089, 35.5983, 81.2592

Deuteranopia

36.7822, 35.9074, 82.8341



Tritanopia

29.6450, 35.9015, 50.7146

Trichromacy



Original Color

36.0536, 35.7902, 82.8499

Protanomaly

36.7790, 35.6660, 82.0366

Deuteranomaly

36.4753, 35.7493, 82.8197

Tritanomaly

31.5496, 35.5465, 61.0754

Monochromacy



Original Color

36.0536, 35.7902, 82.8499

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.4664, 34.8898, 51.4249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0536, 35.7902, 82.8499 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(125, 161, 234)` looks like.

```
.text, #text, p{  
    color:rgb(125, 161, 234)  
}
```

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(125, 161, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 161, 234) }
```

Border

The CSS property to change the border of an element to XYZ 36.0536, 35.7902, 82.8499 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(125, 161, 234) }
```


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

```
.border{ border-color:rgb(125, 161, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 161, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 161, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 161, 234);  
box-shadow:4px 4px 4px 4px rgb(125, 161,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0536, 35.7902, 82.8499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 161, 234) }
```

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

```
.background{ background-color: rgb(125,  
161, 234) }
```

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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