

Converting Colors

XYZ(36.1536, 32.3096, 86.7690)

Have a look what the booklet for
XYZ(36.1536, 32.3096, 86.7690)
contains.

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Color

**XYZ(36.1536, 32.3096,
86.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	8793F0
RGB	135, 147, 240
RGB Percent	53%, 58%, 94%
CMY	0.4706, 0.4235, 0.0588
CMYK	0.44, 0.39, 0.00, 0.06
HSL	233°, 78%, 74%
HSV	233°, 44%, 94%
XYZ	36.1536, 32.3096, 86.7690
YIQ	154.0140, -37.0050, 26.3790

Conversions

Conversions Part 2

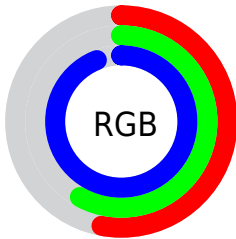
Format	Color
R _Y B	135, 146, 240
Decimal	8885232
CIE Lab	63.60, 19.18, -48.19
CIE LCh	64, 51.864, 291.707
Yxy	32.3096, 0.2329, 0.2081
Android (android.graphics.Color)	4287075312 (0xFF8793F0)
YUV	154.0140, 42.3911, -16.6753
Hunter-Lab	56.8415, 14.0608, -50.7175

Details

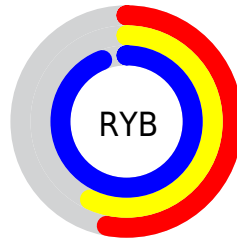
The XYZ color **36.1536, 32.3096, 86.7690** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.0534, 75.7636, 33.9605**, and the grayscale version is **30.5539, 32.1451, 35.0060**.

A 20% lighter version of the original color is **60.6749, 60.1998, 103.0295**, and **15.9638, 13.5880, 46.5811** is the 20% darker color. If you saturate the color by 10%, you get **29.7127, 24.5276, 85.6070**, and if you desaturate by 10%, it is **44.0780, 41.7641, 88.1769**.

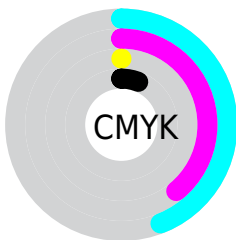
Distribution



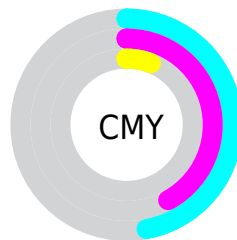
- Red (53%)
- Green (58%)
- Blue (94%)



- Red (53%)
- Yellow (57%)
- Blue (94%)



- Cyan (44%)
- Magenta (39%)
- Yellow (0%)
- Black (6%)



- Cyan (47%)
- Magenta (42%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1536, 32.3096, 86.7690 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 36.1536, 32.3096, 86.7690 by changing the saturation by 10% instead.

■ 36.1536, 32.3096,
86.7690

■ 36.1536, 32.3096,
86.7690

321.0509,
312.5272, 537.7600

■ 24.7235, 21.5981,
64.7455

■ 68.5914, 63.2961,
144.7381

■ 15.9988, 13.5619,
46.8047

■ 90.3298, 84.3399,
181.5209

■ 9.6142, 7.8166,
32.5281

■ 116.2350,
109.5966, 224.0605

■ 5.2042, 3.9778,
21.4970

146.6725,
139.4506, 272.7755

■ 2.4035, 1.6612,
13.2930

182.0074,
174.2862, 328.0844

■ 0.8469, 0.3983,
7.4975

222.6052,

■ 0.0000, 0.0000,

214.4880, 390.4057

3.6920

268.8313,
260.4401, 460.1581

■ 0.0000, 0.0000,
1.4580

■ 0.0000, 0.0000,
0.1863

■ 36.1536, 32.3096,
86.7690

■ 36.1536, 32.3096,
86.7690

■ 29.7127, 24.5276,
85.6070

■ 44.0780, 41.7641,
88.1769

■ 24.6587, 18.3167,
84.6746

■ 53.5671, 52.9775,
89.8412

■ 20.8893, 13.5699,
83.9570

■ 64.7004, 66.0345,
91.7746

■ 18.2862, 10.1649,
83.4370

■ 77.5509, 81.0130,
93.9885

■ 16.7085, 7.9591,
83.0944

■ 92.1855, 97.9857,
96.4932

■ 16.1300, 7.0948,
82.9580

■ 92.7283, 99.0713,
96.6741

Harmonies

Analogous

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



28.7442, 32.3096, 91.2459



36.1536, 32.3096, 86.7690



42.9876, 32.3096, 66.1348

Triad

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



36.1536, 32.3096, 86.7690



40.1728, 32.3096, 12.2430



18.8871, 32.3096, 29.7351

Complementary

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



36.1536, 32.3096, 86.7690



68.0534, 75.7636, 33.9605

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.



21.0245, 32.3096, 15.8004



36.1536, 32.3096, 86.7690



32.7620, 32.3096, 8.6318

Square

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



36.1536, 32.3096, 86.7690



45.5504, 32.3096, 22.3937



25.8410, 32.3096, 9.6118



19.5026, 32.3096, 52.0896

Rectangle

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



36.1536, 32.3096, 86.7690



45.9206, 32.3096, 49.2417



25.8410, 32.3096, 9.6118



19.2936, 32.3096, 24.0874

Sweetspot

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



36.1548, 32.3108, 86.7698



75.2263, 76.9219, 105.4903



55.1219, 73.0596, 84.4146



15.4536, 15.7068, 22.4672



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.



36.1548, 32.3108, 86.7698



35.1571, 29.4354, 98.4364



42.1291, 32.7639, 86.5424



15.0427, 15.5195, 19.9243



8.8776, 3.9795, 45.4281



0.7858, 0.4257, 3.7950

Inverse Universe

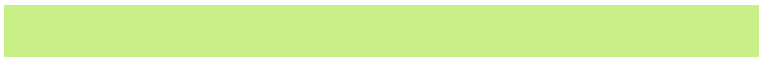
The Inverse Universe completely reimagines the original color for something new.



49.8668, 37.9614, 32.3037



52.8038, 37.0995, 28.2527



59.2872, 76.3154, 34.5290



15.8462, 15.7882, 16.7465



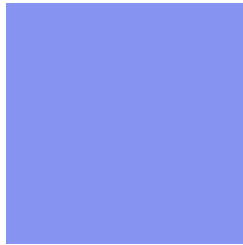
19.8066, 10.1951, 1.6324



1.6716, 0.8577, 0.2615

Previews

White Background



This preview shows how the XYZ color 36.1536, 32.3096, 86.7690 looks on a white background.

Color Contrast Check

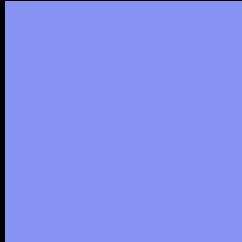
Large Text (above 18pt) WCAG AA × Fail

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 36.1536, 32.3096, 86.7690 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 36.1536, 32.3096, 86.7690

Background



This preview shows how black text looks on a background with the XYZ color 36.1536, 32.3096, 86.7690.



This preview shows how white text looks on a background with the XYZ color 36.1536, 32.3096,

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

36.1536, 32.3096, 86.7690

Protanopia

34.8520, 32.5262, 89.2353

Deuteranopia

33.4016, 32.3295, 86.1411



Tritanopia

27.7210, 32.3276, 44.8232

Trichromacy



Original Color

36.1536, 32.3096, 86.7690

Protanomaly

35.3908, 32.5835, 88.4283

Deuteranomaly

34.2543, 32.2872, 86.0880

Tritanomaly

30.3937, 32.1392, 58.0277

Monochromacy



Original Color

36.1536, 32.3096, 86.7690

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.8562, 31.8390, 50.3655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1536, 32.3096, 86.7690 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(135, 147, 240)` looks like.

```
.text, #text, p{  
    color:rgb(135, 147, 240)  
}
```

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(135, 147, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 147, 240) }
```

Border

The CSS property to change the border of an element to XYZ 36.1536, 32.3096, 86.7690 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(135, 147, 240) }
```


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

```
.border{ border-color:rgb(135, 147, 240) }
```

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

Here you see how a box with a 4 pixel rgb(135, 147, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 147, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 147, 240);  
box-shadow:4px 4px 4px 4px rgb(135, 147,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1536, 32.3096, 86.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 147, 240) }
```

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

```
.background{ background-color: rgb(135,  
147, 240) }
```

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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