

Converting Colors

XYZ(33.5653, 29.9665, 76.6892)

Have a look what the booklet for
XYZ(33.5653, 29.9665, 76.6892)
contains.

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Color

**XYZ(33.6915, 30.1263,
76.7123)**

Conversions

Conversions Part 1

Format	Color
Hex	888EE3
RGB	136, 142, 227
RGB Percent	53%, 56%, 89%
CMY	0.4667, 0.4431, 0.1098
CMYK	0.40, 0.37, 0.00, 0.11
HSL	236°, 62%, 71%
HSV	236°, 40%, 89%
XYZ	33.6915, 30.1263, 76.7123
YIQ	149.8960, -30.8610, 25.1630

Conversions

Conversions Part 2

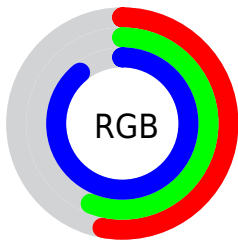
Format	Color
R_{YB}	136, 142, 227
Decimal	8949475
CIE _{Lab}	61.76, 18.67, -43.89
CIE _{LCh}	62, 47.697, 293.048
Yxy	30.1263, 0.2397, 0.2144
Android (android.graphics.Color)	4287139555 (0xFF888EE3)
YUV	149.8960, 38.0123, -12.1868
Hunter-Lab	54.8874, 13.5155, -44.4443

Details

The XYZ color **33.6915, 30.1263, 76.7123** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **61.9802, 69.8230, 33.5046**, and the grayscale version is **28.7997, 30.2995, 32.9962**.

A 20% lighter version of the original color is **59.5282, 57.9063, 102.6473**, and **14.5712, 12.3439, 40.1427** is the 20% darker color. If you saturate the color by 10%, you get **27.5274, 22.7029, 75.6049**, and if you desaturate by 10%, it is **41.2386, 39.1545, 78.0577**.

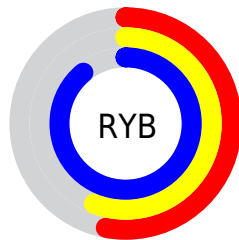
Distribution



Red (53%)

Green (56%)

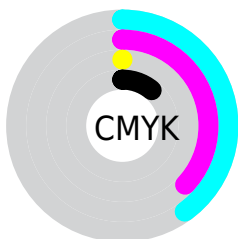
Blue (89%)



Red (53%)

Yellow (56%)

Blue (89%)

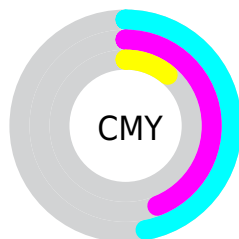


Cyan (40%)

Magenta (37%)

Yellow (0%)

Black (11%)



Cyan (47%)

Magenta (44%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6915, 30.1263, 76.7123 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 33.6915, 30.1263, 76.7123 by changing the saturation by 10% instead.

■ 33.6915, 30.1263,
76.7123

■ 33.6915, 30.1263,
76.7123

310.3644,
302.4927, 503.1941

■ 22.8185, 19.9345,
56.5066

■ 64.8011, 59.8619,
130.5026

■ 14.5795, 12.3474,
40.2025

■ 85.7684, 80.1744,
164.9243

■ 8.6092, 6.9807,
27.3815

■ 110.8312,
104.6292, 204.9217

■ 4.5422, 3.4501,
17.6250

140.3548,
133.6109, 250.9135

■ 2.0132, 1.3710,
10.5144

174.7045,
167.5036, 303.3180

■ 0.6414, 0.1952,
5.6313

214.2458,

■ 0.0000, 0.0000,

206.6919, 362.5540

2.5571

259.3440,
251.5602, 429.0398

■ 0.0000, 0.0000,
0.8702

■ 0.0000, 0.0000,
0.0000

■ 33.6915, 30.1263,
76.7123

■ 33.6915, 30.1263,
76.7123

■ 27.5274, 22.7029,
75.6049

■ 41.2386, 39.1545,
78.0577

■ 22.6591, 16.7870,
74.7196

■ 50.2420, 49.8703,
79.6515

■ 18.9947, 12.2761,
74.0420

■ 60.7741, 62.3551,
81.5062

■ 16.4288, 9.0534,
73.5552

■ 72.9013, 76.6836,
83.6327

■ 14.8377, 6.9832,
73.2395

■ 86.6862, 92.9265,
86.0414

■ 14.0355, 5.8867,
73.0701

■ 90.8652, 98.3261,
86.8634

Harmonies

Analogous

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



27.1800, 30.1263, 81.2699



33.6915, 30.1263, 76.7123



39.5558, 30.1263, 58.6688

Triad

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



33.6915, 30.1263, 76.7123



36.6290, 30.1263, 12.0256



18.1333, 30.1263, 28.7451

Complementary

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



33.6915, 30.1263, 76.7123



61.9802, 69.8230, 33.5046

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.



19.9342, 30.1263, 15.9372



33.6915, 30.1263, 76.7123



30.1392, 30.1263, 8.8786

Square

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



33.6915, 30.1263, 76.7123



41.4194, 30.1263, 20.9167



24.1100, 30.1263, 9.9832



18.7945, 30.1263, 48.5061

Rectangle

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



33.6915, 30.1263, 76.7123



41.9908, 30.1263, 44.1050



24.1100, 30.1263, 9.9832



18.4607, 30.1263, 23.6173

Sweetspot

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



33.6926, 30.1274, 76.7130



76.2245, 77.7511, 105.5977



50.6657, 65.3902, 78.3120



15.9159, 16.1690, 22.5320



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.



33.6926, 30.1274, 76.7130



37.1359, 31.1261, 98.6584



40.4472, 32.3201, 76.7802



13.6587, 14.0389, 18.1342



8.2148, 3.4918, 42.6242



0.6340, 0.3120, 3.1588

Inverse Universe

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



45.3662, 35.8936, 30.1292



54.3559, 39.8390, 29.8949



52.5465, 67.3530, 33.5250



14.4153, 14.3833, 15.1216



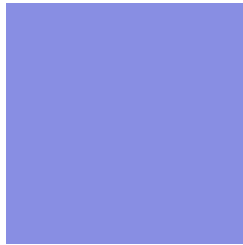
18.5400, 9.5502, 1.2066



1.3837, 0.7112, 0.1609

Previews

White Background



This preview shows how the XYZ color 33.6915, 30.1263, 76.7123 looks on a white background.

Color Contrast Check

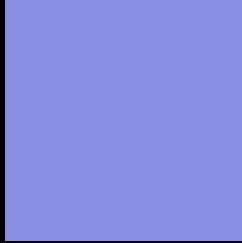
Large Text (above 18pt) WCAG AA × Fail

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 33.6915, 30.1263, 76.7123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

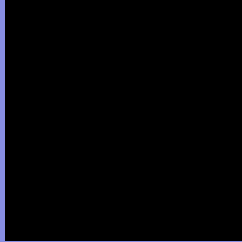
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6915, 30.1263, 76.7123

Background



This preview shows how black text looks on a background with the XYZ color 33.6915, 30.1263, 76.7123.



This preview shows how white text looks on a background with the XYZ color 33.6915, 30.1263,

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

33.6915, 30.1263, 76.7123

Protanopia

32.1739, 30.1788, 79.7307

Deuteranopia

30.9995, 30.1155, 76.1305



Tritanopia

26.4158, 29.9662, 40.9510

Trichromacy



Original Color

33.6915, 30.1263, 76.7123

Protanomaly

32.8658, 30.3239, 78.9838

Deuteranomaly

31.8915, 30.1137, 76.0832

Tritanomaly

28.6958, 29.9224, 52.4073

Monochromacy



Original Color

33.6915, 30.1263, 76.7123

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.1467, 30.1015, 46.3408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6915, 30.1263, 76.7123 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(136, 142, 227)` looks like.

```
.text, #text, p{  
    color:rgb(136, 142, 227)  
}
```

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(136, 142, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 142, 227) }
```

Border

The CSS property to change the border of an element to XYZ 33.6915, 30.1263, 76.7123 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(136, 142, 227) }
```


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

```
.border{ border-color:rgb(136, 142, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 142, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 142, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 142, 227);  
box-shadow:4px 4px 4px 4px rgb(136, 142,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6915, 30.1263, 76.7123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 142, 227) }
```

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

```
.background{ background-color: rgb(136,  
142, 227) }
```

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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