

Converting Colors

XYZ(37.5115, 33.1325,
104.9288)

Have a look what the booklet for
XYZ(37.5115, 33.1325, 104.9288)
contains.

XYZ(36.4052, 32.6368, 98.9885)	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(36.4052, 32.6368,
98.9885)**

Conversions

Conversions Part 1

Format	Color
Hex	7795FF
RGB	119, 149, 255
RGB Percent	47%, 58%, 100%
CMY	0.5333, 0.4157, 0.0000
CMYK	0.53, 0.42, 0.00, 0.00
HSL	227°, 100%, 73%
HSV	227°, 53%, 100%
XYZ	36.4052, 32.6368, 98.9885
YIQ	152.1140, -51.9060, 26.6060

Conversions

Conversions Part 2

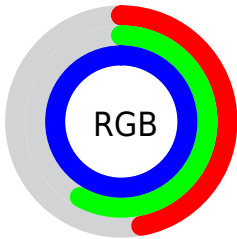
Format	Color
R_{YB}	119, 144, 255
Decimal	7837183
CIE _{Lab}	63.87, 18.87, -56.05
CIE _{LCh}	64, 59.139, 288.604
Yxy	32.6368, 0.2167, 0.1942
Android (android.graphics.Color)	4286027263 (0xFF7795FF)
YUV	152.1140, 50.7228, -29.0410
Hunter-Lab	57.1286, 13.7740, -62.7435

Details

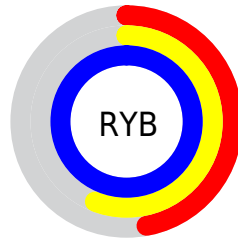
The XYZ color **36.4052, 32.6368, 98.9885** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.4967, 76.4452, 28.4420**, and the grayscale version is **29.6995, 31.2461, 34.0270**.

A 20% lighter version of the original color is **57.7660, 59.3968, 103.0279**, and **16.2304, 13.8131, 55.2368** is the 20% darker color. If you saturate the color by 10%, you get **30.4825, 25.3074, 97.8860**, and if you desaturate by 10%, it is **43.8055, 41.5253, 100.3141**.

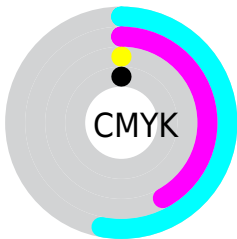
Distribution



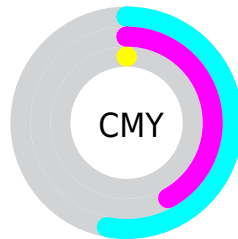
- Red (47%)
- Green (58%)
- Blue (100%)



- Red (47%)
- Yellow (56%)
- Blue (100%)



- Cyan (53%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4052, 32.6368, 98.9885 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 36.4052, 32.6368, 98.9885 by changing the saturation by 10% instead.

■ 36.4052, 32.6368,
98.9885

■ 36.4052, 32.6368,
98.9885

322.1286,
314.0099, 578.1638

■ 24.9189, 21.8484,
74.8439

■ 68.9768, 63.8081,
161.8062

■ 16.1450, 13.7455,
54.9840

■ 90.7928, 84.9597,
201.3164

■ 9.7183, 7.9439,
38.9904

■ 116.7827,
110.3345, 246.7854

■ 5.2734, 4.0591,
26.4445

147.3119,
140.3168, 298.6320

■ 2.4450, 1.7067,
16.9277

182.7457,
175.2912, 357.2746

■ 0.8676, 0.4280,
10.0216

223.4495,

■ 0.0000, 0.0000,

215.6419, 423.1317

5.3075

269.7887,
261.7533, 496.6219

■ 0.0000, 0.0000,
2.3669

■ 0.0000, 0.0000,
0.7683

■ 36.4052, 32.6368,
98.9885

■ 36.4052, 32.6368,
98.9885

■ 30.4825, 25.3074,
97.8860

■ 43.8055, 41.5253,
100.3141

■ 25.9298, 19.4400,
96.9934

■ 52.7735, 52.0558,
101.8741

■ 22.6293, 14.9303,
96.2969

■ 63.3963, 64.3087,
103.6792

■ 20.4402, 11.6571,
95.7805

■ 75.7532, 78.3579,
105.7397

■ 19.4760, 10.0720,
95.5253

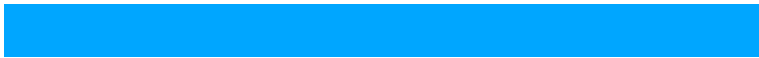
■ 89.9184, 94.2733,
108.0651

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



27.9674, 32.6368, 101.9673



36.4052, 32.6368, 98.9885



44.6250, 32.6368, 75.2247

Triad

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



36.4052, 32.6368, 98.9885



42.8383, 32.6368, 11.0667



17.8395, 32.6368, 27.2351

Complementary

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



36.4052, 32.6368, 98.9885



71.4967, 76.4452, 28.4420

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.



20.5066, 32.6368, 13.0440



36.4052, 32.6368, 98.9885



34.2876, 32.6368, 6.8973

Square

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



36.4052, 32.6368, 98.9885



48.7728, 32.6368, 22.8391



26.1944, 32.6368, 7.4088



18.2016, 32.6368, 52.2355

Rectangle

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



36.4052, 32.6368, 98.9885



48.4134, 32.6368, 54.9929



26.1944, 32.6368, 7.4088



18.3890, 32.6368, 21.3130

Sweetspot

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



36.4064, 32.6378, 98.9887



72.2808, 74.4280, 105.1642



56.7242, 80.7846, 82.6051



14.9165, 15.3012, 22.4172



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.



36.4064, 32.6378, 98.9887



30.1362, 24.8701, 97.8198



38.2174, 27.4107, 97.8843



17.3278, 18.0273, 22.8163



10.2660, 5.4415, 49.9438



1.0762, 0.6830, 4.8884

Inverse Universe

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



53.2626, 36.6252, 32.6966



48.9327, 30.4328, 23.6467



68.2240, 87.8711, 30.8199



18.1734, 18.0527, 19.5301



21.9700, 11.2773, 3.2264



2.1778, 1.1135, 0.5178

Previews

White Background



This preview shows how the XYZ color 36.4052, 32.6368, 98.9885 looks on a white background.

Color Contrast Check

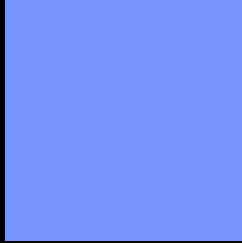
Large Text (above 18pt) WCAG AA × Fail

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 36.4052, 32.6368, 98.9885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

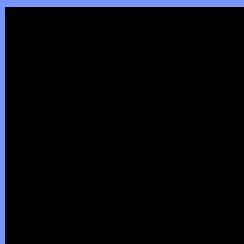
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4052, 32.6368, 98.9885

Background



This preview shows how black text looks on a background with the XYZ color 36.4052, 32.6368, 98.9885.



This preview shows how white text looks on a background with the XYZ color 36.4052, 32.6368,

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

36.4052, 32.6368, 98.9885

Protanopia

35.6722, 32.7327, 99.0457

Deuteranopia

33.9251, 32.8226, 98.3133



Tritanopia

26.1060, 32.4921, 47.5435

Trichromacy



Original Color

36.4052, 32.6368, 98.9885

Protanomaly

35.8958, 32.6101, 99.0102

Deuteranomaly

34.6475, 32.7049, 98.2525

Tritanomaly

29.1401, 32.1260, 63.6966

Monochromacy



Original Color

36.4052, 32.6368, 98.9885

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.0671, 31.3828, 52.5642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4052, 32.6368, 98.9885 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(119, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 149, 255)  
}
```

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(119, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.4052, 32.6368, 98.9885 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(119, 149, 255) }
```


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

```
.border{ border-color:rgb(119, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 149, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 149, 255); box-shadow:4px 4px 4px 4px rgb(119, 149, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4052, 32.6368, 98.9885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 149, 255) }
```

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

```
.background{ background-color: rgb(119,  
149, 255) }
```

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