

Converting Colors

XYZ(41.3537, 34.4608,
126.3430)

Have a look what the booklet for
XYZ(41.3537, 34.4608, 126.3430)
contains.

XYZ(36.1111, 32.2514, 98.9296)	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(36.1111, 32.2514,
98.9296)**

Conversions

Conversions Part 1

Format	Color
Hex	7694FF
RGB	118, 148, 255
RGB Percent	46%, 58%, 100%
CMY	0.5372, 0.4196, 0.0000
CMYK	0.54, 0.42, 0.00, 0.00
HSL	227°, 100%, 73%
HSV	227°, 54%, 100%
XYZ	36.1111, 32.2514, 98.9296
YIQ	151.2280, -52.2270, 26.9170

Conversions

Conversions Part 2

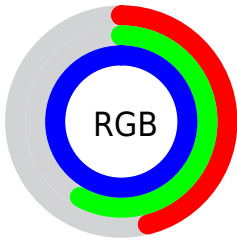
Format	Color
RYB	118, 143, 255
Decimal	7771391
CIELab	63.55, 19.25, -56.55
CIELCh	64, 59.740, 288.795
Yxy	32.2514, 0.2159, 0.1928
Android (android.graphics.Color)	4285961471 (0xFF7694FF)
YUV	151.2280, 51.1596, -29.1410
Hunter-Lab	56.7903, 14.1192, -63.5309

Details

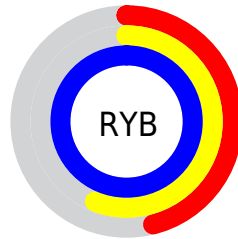
The XYZ color **36.1111, 32.2514, 98.9296** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.4367, 76.4209, 28.1271**, and the grayscale version is **29.3180, 30.8449, 33.5900**.

A 20% lighter version of the original color is **57.5306, 58.9260, 102.9494**, and **16.0289, 13.5695, 55.2004** is the 20% darker color. If you saturate the color by 10%, you get **30.2447, 24.9821, 97.8357**, and if you desaturate by 10%, it is **43.4531, 41.0801, 100.2468**.

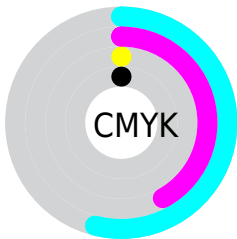
Distribution



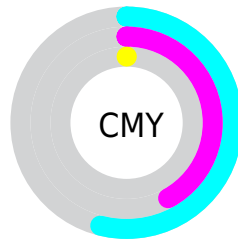
- Red (46%)
- Green (58%)
- Blue (100%)



- Red (46%)
- Yellow (56%)
- Blue (100%)



- Cyan (54%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1111, 32.2514, 98.9296 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 36.1111, 32.2514, 98.9296 by changing the saturation by 10% instead.

■ 36.1111, 32.2514,
98.9296

■ 36.1111, 32.2514,
98.9296

320.8687,
312.2629, 577.9727

■ 24.6905, 21.5536,
74.7950

■ 68.5263, 63.2050,
161.7245

■ 15.9741, 13.5293,
54.9443

■ 90.2516, 84.2296,
201.2218

■ 9.5966, 7.7940,
38.9588

■ 116.1425,
109.4652, 246.6771

■ 5.1925, 3.9634,
26.4201

146.5643,
139.2963, 298.5090

■ 2.3966, 1.6531,
16.9096

181.8825,
174.1072, 357.1360

■ 0.8434, 0.3930,
10.0088

222.4624,

■ 0.0000, 0.0000,

214.2823, 422.9766

5.2991

268.6693,
260.2061, 496.4493

■ 0.0000, 0.0000,
2.3620

■ 0.0000, 0.0000,
0.7656

■ 36.1111, 32.2514,
98.9296

■ 36.1111, 32.2514,
98.9296

■ 30.2447, 24.9821,
97.8357

■ 43.4531, 41.0801,
100.2468

■ 25.7456, 19.1743,
96.9518

■ 52.3616, 51.5518,
101.7985

■ 22.4952, 14.7228,
96.2639

■ 62.9237, 63.7472,
103.5958

■ 20.3513, 11.5052,
95.7558

■ 75.2193, 77.7411,
105.6488

■ 19.4561, 10.0323,
95.5187

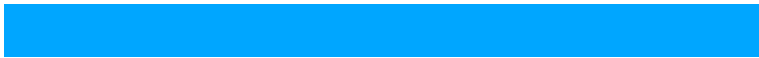
■ 89.3230, 93.6035,
107.9672

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.



27.6447, 32.2514, 102.0984



36.1111, 32.2514, 98.9296



44.3574, 32.2514, 74.8473

Triad

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



36.1111, 32.2514, 98.9296



42.4665, 32.2514, 10.6709



17.4703, 32.2514, 26.9328

Complementary

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



36.1111, 32.2514, 98.9296



71.4367, 76.4209, 28.1271

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.



20.1107, 32.2514, 12.7321



36.1111, 32.2514, 98.9296



33.8741, 32.2514, 6.5975

Square

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



36.1111, 32.2514, 98.9296



48.4611, 32.2514, 22.3104



25.7764, 32.2514, 7.1267



17.8503, 32.2514, 52.0713

Rectangle

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



36.1111, 32.2514, 98.9296



48.1489, 32.2514, 54.4662



25.7764, 32.2514, 7.1267



18.0116, 32.2514, 20.9963

Sweetspot

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



36.1123, 32.2524, 98.9298



72.2633, 74.3929, 105.1583



56.5560, 80.7016, 82.4328



14.9124, 15.2929, 22.4158



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.



36.1123, 32.2524, 98.9298



30.1022, 24.8020, 97.8085



37.9582, 27.1013, 97.8382



17.3254, 18.0225, 22.8155



10.2551, 5.4197, 49.9402



1.0748, 0.6803, 4.8879

Inverse Universe

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



53.0646, 36.3565, 32.2385



48.9155, 30.4259, 23.5562



68.0841, 87.8059, 30.5013



18.1722, 18.0522, 19.5237



21.9645, 11.2751, 3.1975



2.1771, 1.1132, 0.5141

Previews

White Background



This preview shows how the XYZ color 36.1111, 32.2514, 98.9296 looks on a white background.

Color Contrast Check

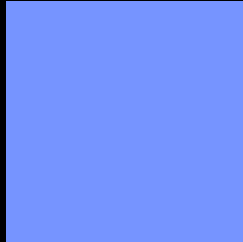
Large Text (above 18pt) WCAG AA × Fail

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 36.1111, 32.2514, 98.9296 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 36.1111, 32.2514, 98.9296

Background



This preview shows how black text looks on a background with the XYZ color 36.1111, 32.2514, 98.9296.



This preview shows how white text looks on a background with the XYZ color 36.1111, 32.2514,

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

36.1111, 32.2514, 98.9296

Protanopia

35.3868, 32.3477, 98.9864

Deuteranopia

33.4695, 32.3417, 98.2445



Tritanopia

25.8054, 32.3488, 47.0033

Trichromacy



Original Color

36.1111, 32.2514, 98.9296

Protanomaly

35.6075, 32.2256, 98.9512

Deuteranomaly

34.2632, 32.2649, 98.1878

Tritanomaly

28.9055, 32.0192, 63.0494

Monochromacy



Original Color

36.1111, 32.2514, 98.9296

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.7391, 30.9758, 52.5029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1111, 32.2514, 98.9296 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(118, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 148, 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(118, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 148, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.1111, 32.2514, 98.9296 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(118, 148, 255) }
```


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

```
.border{ border-color:rgb(118, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 148,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1111, 32.2514, 98.9296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 148, 255) }
```

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

```
.background{ background-color: rgb(118,  
148, 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