

Converting Colors

XYZ(32.6717, 31.4509, 83.2614)

Have a look what the booklet for
XYZ(32.6717, 31.4509, 83.2614)
contains.

XYZ(32.6175, 31.5109, 82.9603)	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(32.6175, 31.5109,
82.9603)**

Conversions

Conversions Part 1

Format	Color
Hex	6F97EB
RGB	111, 151, 235
RGB Percent	44%, 59%, 92%
CMY	0.5647, 0.4078, 0.0784
CMYK	0.53, 0.36, 0.00, 0.08
HSL	221°, 76%, 68%
HSV	221°, 53%, 92%
XYZ	32.6175, 31.5109, 82.9603
YIQ	148.6160, -50.8040, 17.6440

Conversions

Conversions Part 2

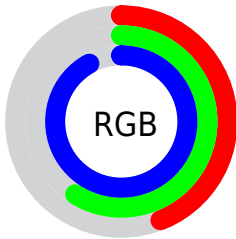
Format	Color
R_{YB}	111, 141, 235
Decimal	7313387
CIE Lab	62.94, 9.81, -46.57
CIE LCh	63, 47.595, 281.901
Yxy	31.5109, 0.2218, 0.2142
Android (android.graphics.Color)	4285503467 (0xFF6F97EB)
YUV	148.6160, 42.5873, -32.9892
Hunter-Lab	56.1346, 5.4835, -48.3295

Details

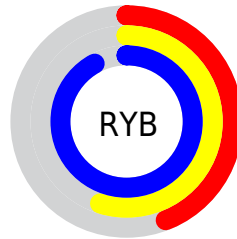
The XYZ color **32.6175, 31.5109, 82.9603** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **56.6467, 57.8421, 23.2195**, and the grayscale version is **28.2494, 29.7205, 32.3657**.

A 20% lighter version of the original color is **56.2435, 59.3177, 103.0928**, and **14.0570, 13.2150, 44.4577** is the 20% darker color. If you saturate the color by 10%, you get **27.6488, 25.3998, 82.0433**, and if you desaturate by 10%, it is **38.7122, 38.7170, 84.0306**.

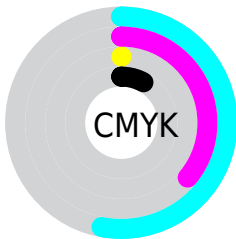
Distribution



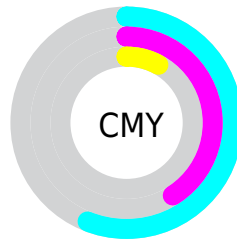
- Red (44%)
- Green (59%)
- Blue (92%)



- Red (44%)
- Yellow (55%)
- Blue (92%)



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)
- Black (8%)



- Cyan (56%)
- Magenta (41%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6175, 31.5109, 82.9603 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 32.6175, 31.5109, 82.9603 by changing the saturation by 10% instead.

■ 32.6175, 31.5109,
82.9603

■ 32.6175, 31.5109,
82.9603

305.6182,
308.8852, 524.8217

■ 21.9914, 20.9882,
61.6170

■ 63.1366, 62.0435,
139.3686

■ 13.9672, 13.1154,
44.2895

■ 83.7603, 82.8223,
175.2706

■ 8.1794, 7.5080,
30.5593

■ 108.4472,
107.7885, 216.8627

■ 4.2627, 3.7818,
20.0079

137.5628,
137.3265, 264.5633

■ 1.8518, 1.5523,
12.2166

171.4723,
171.8208, 318.7909

■ 0.5486, 0.3251,
6.7671

210.5411,

■ 0.0000, 0.0000,

211.6558, 379.9642

3.2406

255.1346,
257.2157, 448.5016

■ 0.0000, 0.0000,
1.2188

■ 0.0000, 0.0000,
0.0000

■ 32.6175, 31.5109,
82.9603

■ 32.6175, 31.5109,
82.9603

■ 27.6488, 25.3998,
82.0433

■ 38.7122, 38.7170,
84.0306

■ 23.7264, 20.3208,
81.2696

■ 45.9980, 47.0696,
85.2588

■ 20.7648, 16.2084,
80.6320

■ 54.5389, 56.6203,
86.6522

■ 18.6612, 12.9863,
80.1209

■ 64.3932, 67.4168,
88.2167

■ 17.5664, 11.1401,
79.8222

■ 75.6154, 79.5036,
89.9582

■ 88.2568, 92.9234,
91.8822

■ 91.9955, 98.7782,
92.8153

Harmonies

Analogous

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



26.2127, 31.5109, 81.1585



32.6175, 31.5109, 82.9603



39.1527, 31.5109, 68.6810

Triad

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



32.6175, 31.5109, 82.9603



40.3130, 31.5109, 15.4478



19.5214, 31.5109, 24.2982

Complementary

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



32.6175, 31.5109, 82.9603



56.6467, 57.8421, 23.2195

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.



22.3160, 31.5109, 13.8867



32.6175, 31.5109, 82.9603



34.0270, 31.5109, 10.2082

Square

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



32.6175, 31.5109, 82.9603



44.0091, 31.5109, 27.4096



27.4324, 31.5109, 9.7658



19.2581, 31.5109, 42.2811

Rectangle

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



32.6175, 31.5109, 82.9603



42.4619, 31.5109, 54.2103



27.4324, 31.5109, 9.7658



20.1747, 31.5109, 19.9950

Sweetspot

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



32.6187, 31.5120, 82.9611



73.4078, 76.6820, 105.5398



45.9652, 66.6771, 61.2916



15.1827, 15.8336, 22.5059



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.



32.6187, 31.5120, 82.9611



33.0073, 30.2286, 98.7028



30.1449, 22.2473, 81.3032



14.6279, 15.3422, 19.1126



9.8790, 6.4049, 44.4586



0.8600, 0.6716, 3.5192

Inverse Universe

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



45.5323, 31.2668, 32.9144



50.4755, 31.4084, 30.6658



60.4075, 74.9115, 26.3160



15.2657, 15.1341, 16.6846



19.8417, 10.1394, 4.9680



1.6006, 0.8132, 0.6142

Previews

White Background



This preview shows how the XYZ color 32.6175, 31.5109, 82.9603 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 32.6175, 31.5109, 82.9603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

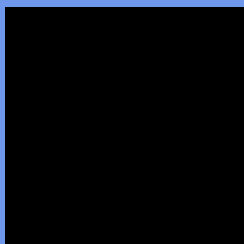
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

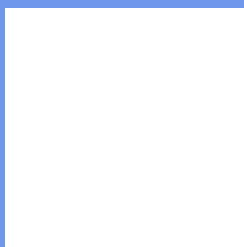
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6175, 31.5109, 82.9603

Background



This preview shows how black text looks on a background with the XYZ color 32.6175, 31.5109, 82.9603.



This preview shows how white text looks on a background with the XYZ color 32.6175, 31.5109,

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

32.6175, 31.5109, 82.9603

Protanopia

33.3406, 31.4430, 81.4027

Deuteranopia

32.3687, 31.3826, 82.9487



Tritanopia

25.2480, 31.5531, 45.8339

Trichromacy



Original Color

32.6175, 31.5109, 82.9603

Protanomaly

33.0937, 31.5351, 82.1846

Deuteranomaly

32.4924, 31.4464, 82.9545

Tritanomaly

27.5132, 31.4242, 57.4387

Monochromacy



Original Color

32.6175, 31.5109, 82.9603

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.1362, 30.2589, 47.4849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6175, 31.5109, 82.9603 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(111, 151, 235)` looks like.

```
.text, #text, p{  
    color:rgb(111, 151, 235)  
}
```

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(111, 151, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 151, 235) }
```

Border

The CSS property to change the border of an element to XYZ 32.6175, 31.5109, 82.9603 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(111, 151, 235) }
```


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

```
.border{ border-color:rgb(111, 151, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 151, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 151, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 151, 235);  
box-shadow:4px 4px 4px 4px rgb(111, 151,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6175, 31.5109, 82.9603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 151, 235) }
```

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

```
.background{ background-color: rgb(111,  
151, 235) }
```

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