

Converting Colors

XYZ(33.6277, 32.2343, 95.7163)

Have a look what the booklet for
XYZ(33.6277, 32.2343, 95.7163)
contains.

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Color

**XYZ(33.6277, 32.2343,
95.7163)**

Conversions

Conversions Part 1

Format	Color
Hex	6099FB
RGB	96, 153, 251
RGB Percent	38%, 60%, 98%
CMY	0.6235, 0.4000, 0.0157
CMYK	0.62, 0.39, 0.00, 0.02
HSL	218°, 95%, 68%
HSV	218°, 62%, 98%
XYZ	33.6277, 32.2343, 95.7163
YIQ	147.1290, -65.4300, 18.3940

Conversions

Conversions Part 2

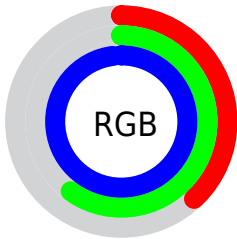
Format	Color
R _Y B	96, 138, 251
Decimal	6330875
CIE Lab	63.54, 10.81, -54.46
CIE LCh	64, 55.521, 281.225
Yxy	32.2343, 0.2081, 0.1995
Android (android.graphics.Color)	4284520955 (0xFF6099FB)
YUV	147.1290, 51.2084, -44.8401
Hunter-Lab	56.7753, 6.3679, -60.2132

Details

The XYZ color **33.6277, 32.2343, 95.7163** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.1892, 59.9410, 19.4131**, and the grayscale version is **27.6022, 29.0397, 31.6242**.

A 20% lighter version of the original color is **54.4634, 59.1147, 103.1475**, and **14.6004, 13.6020, 52.8949** is the 20% darker color. If you saturate the color by 10%, you get **28.9689, 26.2299, 94.8036**, and if you desaturate by 10%, it is **39.4773, 39.3662, 96.7853**.

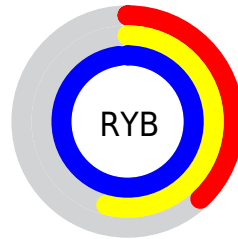
Distribution



Red (38%)

Green (60%)

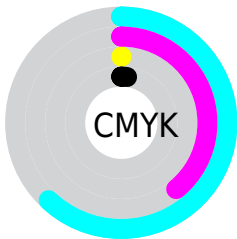
Blue (98%)



Red (38%)

Yellow (54%)

Blue (98%)

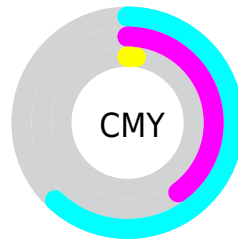


Cyan (62%)

Magenta (39%)

Yellow (0%)

Black (2%)



Cyan (62%)

Magenta (40%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6277, 32.2343, 95.7163 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 33.6277, 32.2343, 95.7163 by changing the saturation by 10% instead.

■ 33.6277, 32.2343,
95.7163

■ 33.6277, 32.2343,
95.7163

310.0840,
312.1852, 567.4984

■ 22.7693, 21.5405,
72.1311

■ 64.7024, 63.1782,
157.2579

■ 14.5430, 13.5197,
52.7783

■ 85.6495, 84.1971,
196.0514

■ 8.5835, 7.7874,
37.2393

■ 110.6900,
109.4266, 240.7515

■ 4.5254, 3.9592,
25.0956

■ 140.1895,
139.2509, 291.7766

■ 2.0035, 1.6508,
15.9286

174.5133,
174.0546, 349.5453

■ 0.6359, 0.3915,
9.3198

214.0268,

■ 0.0000, 0.0000,

214.2219, 414.4761

4.8507

259.0952,
260.1373, 486.9877

■ 0.0000, 0.0000,
2.1027

■ 0.0000, 0.0000,
0.6174

■ 33.6277, 32.2343,
95.7163

■ 33.6277, 32.2343,
95.7163

■ 28.9689, 26.2299,
94.8036

■ 39.4773, 39.3662,
96.7853

■ 25.3999, 21.2797,
94.0362

■ 46.5990, 47.6855,
98.0157

■ 22.8073, 17.3042,
93.4055

■ 55.0711, 57.2507,
99.4154

■ 21.2657, 14.6710,
92.9785

■ 64.9640, 68.1154,
100.9911

■ 76.3429, 80.3297,
102.7490

■ 89.2690, 93.9408,
104.6949

■ 94.4127, 99.7451,
105.5442

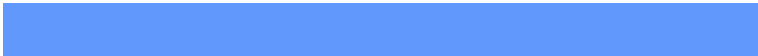
Harmonies

Analogous

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



26.0923, 32.2343, 92.9084



33.6277, 32.2343, 95.7163



41.5316, 32.2343, 77.9157

Triad

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



33.6277, 32.2343, 95.7163



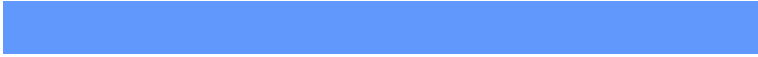
43.2524, 32.2343, 13.8328



18.5950, 32.2343, 23.0874

Complementary

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



33.6277, 32.2343, 95.7163



61.1892, 59.9410, 19.4131

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.



21.8378, 32.2343, 11.8071



33.6277, 32.2343, 95.7163



35.6826, 32.2343, 8.2307

Square

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



33.6277, 32.2343, 95.7163



47.6803, 32.2343, 27.4359



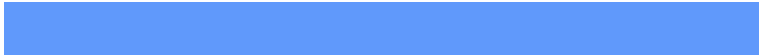
27.8305, 32.2343, 7.6905



18.2337, 32.2343, 44.0676

Rectangle

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



33.6277, 32.2343, 95.7163



45.6246, 32.2343, 59.8777



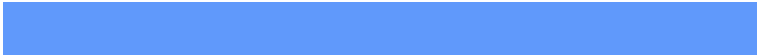
27.8305, 32.2343, 7.6905



19.3550, 32.2343, 18.3164

Sweetspot

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



33.6290, 32.2354, 95.7171



70.4107, 73.9289, 105.1664



48.7909, 75.2697, 61.5866



14.3835, 15.0802, 22.4026



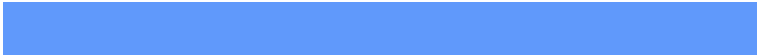
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6290, 32.2354, 95.7171



29.0773, 25.9093, 98.0762



28.5476, 18.9159, 93.4140



16.8057, 17.6882, 21.9137



11.3048, 7.9653, 48.9152



1.1443, 0.9324, 4.5628

Inverse Universe

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



49.7175, 31.1766, 33.5350



47.6276, 26.9603, 25.8701



70.1868, 87.1495, 24.1907



17.5085, 17.3307, 19.2673



21.9982, 11.2150, 6.6989



2.0865, 1.0584, 0.8791

Previews

White Background



This preview shows how the XYZ color 33.6277, 32.2343, 95.7163 looks on a white background.

Color Contrast Check

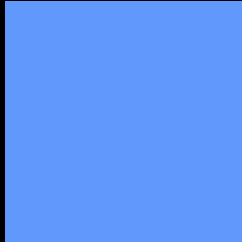
Large Text (above 18pt) WCAG AA × Fail

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 33.6277, 32.2343, 95.7163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

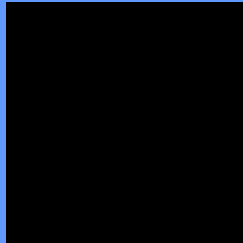
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

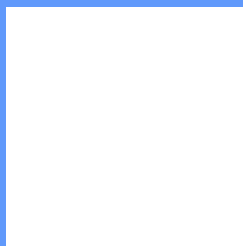
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6277, 32.2343, 95.7163

Background



This preview shows how black text looks on a background with the XYZ color 33.6277, 32.2343, 95.7163.



This preview shows how white text looks on a background with the XYZ color 33.6277, 32.2343,

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

33.6277, 32.2343, 95.7163

Protanopia

34.7891, 32.1674, 93.1823

Deuteranopia

33.3818, 32.3515, 95.7518



Tritanopia

24.3297, 32.3656, 48.6809

Trichromacy



Original Color

33.6277, 32.2343, 95.7163

Protanomaly

34.2289, 32.0986, 94.0141

Deuteranomaly

33.4824, 32.4034, 95.7566

Tritanomaly

27.0618, 32.1065, 63.1634

Monochromacy



Original Color

33.6277, 32.2343, 95.7163

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.4065, 29.5869, 50.1126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6277, 32.2343, 95.7163 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(96, 153, 251)` looks like.

```
.text, #text, p{  
    color:rgb(96, 153, 251)  
}
```

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(96, 153, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 153, 251) }
```

Border

The CSS property to change the border of an element to XYZ 33.6277, 32.2343, 95.7163 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(96, 153, 251) }
```


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

```
.border{ border-color:rgb(96, 153, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 153, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 153, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 153, 251);  
box-shadow:4px 4px 4px 4px rgb(96, 153,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6277, 32.2343, 95.7163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 153, 251) }
```

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

```
.background{ background-color: rgb(96, 153,  
251) }
```

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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