

Converting Colors

XYZ(32.2099, 33.7654, 79.0541)

Have a look what the booklet for
XYZ(32.2099, 33.7654, 79.0541)
contains.

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Color

**XYZ(32.2546, 33.9136,
78.9747)**

Conversions

Conversions Part 1

Format	Color
Hex	65A1E5
RGB	101, 161, 229
RGB Percent	40%, 63%, 90%
CMY	0.6039, 0.3686, 0.1020
CMYK	0.56, 0.30, 0.00, 0.10
HSL	212°, 71%, 65%
HSV	212°, 56%, 90%
XYZ	32.2546, 33.9136, 78.9747
YIQ	150.8120, -57.5880, 8.4280

Conversions

Conversions Part 2

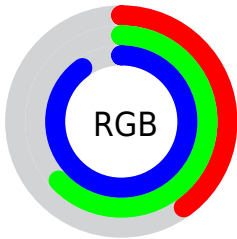
Format	Color
R_{YB}	101, 142, 229
Decimal	6660581
CIE Lab	64.89, 0.07, -40.22
CIE LCh	65, 40.224, 270.107
Yxy	33.9136, 0.2222, 0.2337
Android (android.graphics.Color)	4284850661 (0xFF65A1E5)
YUV	150.8120, 38.5467, -43.6851
Hunter-Lab	58.2354, -3.0468, -39.6401

Details

The XYZ color **32.2546, 33.9136, 78.9747** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.8517, 45.9758, 18.6131**, and the grayscale version is **29.1945, 30.7149, 33.4485**.

A 20% lighter version of the original color is **57.1031, 63.8053, 103.9137**, and **13.7784, 14.5091, 41.6095** is the 20% darker color. If you saturate the color by 10%, you get **28.0152, 28.7245, 78.1972**, and if you desaturate by 10%, it is **37.4176, 39.8870, 79.8562**.

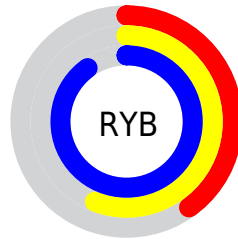
Distribution



Red (40%)

Green (63%)

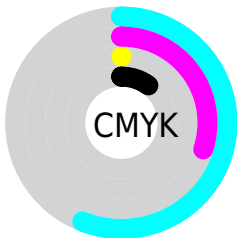
Blue (90%)



Red (40%)

Yellow (56%)

Blue (90%)

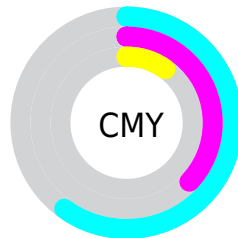


Cyan (56%)

Magenta (30%)

Yellow (0%)

Black (10%)



Cyan (60%)

Magenta (37%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2546, 33.9136, 78.9747 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 32.2546, 33.9136, 78.9747 by changing the saturation by 10% instead.

■ 32.2546, 33.9136,
78.9747

■ 32.2546, 33.9136,
78.9747

304.0021,
319.7466, 511.0861

■ 21.7125, 22.8272,
58.3538

■ 62.5725, 65.7993,
133.7216

■ 13.7612, 14.4660,
41.6766

■ 83.0791, 87.3674,
168.6847

■ 8.0354, 8.4455,
28.5245

■ 107.6378,
113.1982, 209.2656

■ 4.1696, 4.3813,
18.4789

■ 136.6141,
143.6761, 255.8828

■ 1.7985, 1.8891,
11.1214

170.3734,
179.1855, 308.9549

■ 0.5168, 0.5418,
6.0333

209.2809,

■ 0.0000, 0.0000,

220.1108, 368.9005

2.7962

253.7020,
266.8364, 436.1381

■ 0.0000, 0.0000,
0.9916

■ 0.0000, 0.0000,
0.0000

■ 32.2546, 33.9136,
78.9747

■ 32.2546, 33.9136,
78.9747

■ 28.0152, 28.7245,
78.1972

■ 37.4176, 39.8870,
79.8562

■ 24.6287, 24.2730,
77.5165

■ 43.5600, 46.6803,
80.8437

■ 22.0192, 20.5112,
76.9279

■ 50.7373, 54.3307,
81.9421

■ 20.0923, 17.3810,
76.4253

■ 58.9995, 62.8716,
83.1552

■ 19.4363, 16.2438,
76.2404

■ 68.3932, 72.3346,
84.4867

■ 78.9621, 82.7495,
85.9399

■ 88.3887, 92.9286,
87.4078

■ 91.1430, 98.4372,
88.3259

Harmonies

Analogous

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



26.9876, 33.9136, 72.1268



32.2546, 33.9136, 78.9747



38.1596, 33.9136, 72.0340

Triad

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



32.2546, 33.9136, 78.9747



42.8796, 33.9136, 23.1069



23.4975, 33.9136, 23.1823

Complementary

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



32.2546, 33.9136, 78.9747



48.8517, 45.9758, 18.6131

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.



26.9557, 33.9136, 15.6097



32.2546, 33.9136, 78.9747



38.1195, 33.9136, 15.5763

Square

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



32.2546, 33.9136, 78.9747



44.7258, 33.9136, 36.8668



32.2131, 33.9136, 13.3057



22.3157, 33.9136, 36.9856

Rectangle

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



32.2546, 33.9136, 78.9747



41.5727, 33.9136, 61.4408



32.2131, 33.9136, 13.3057



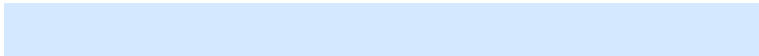
24.4101, 33.9136, 19.9919

Sweetspot

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



32.2558, 33.9148, 78.9755



73.9487, 78.8613, 105.9320



40.3749, 61.6013, 46.3879



15.3549, 16.3941, 22.6050



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.



32.2558, 33.9148, 78.9755



35.0369, 35.7463, 99.6608



24.4069, 17.8577, 76.2899



14.1370, 14.9955, 18.2936



11.2309, 9.5239, 43.6295



0.9222, 0.8884, 3.2548

Inverse Universe

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



43.4009, 28.5401, 36.9406



51.1439, 30.3127, 38.3880



62.0057, 73.2882, 23.1916



14.6568, 14.4799, 16.3929



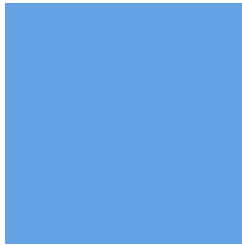
20.0624, 10.1592, 9.2233



1.5291, 0.7694, 0.9269

Previews

White Background



This preview shows how the XYZ color 32.2546, 33.9136, 78.9747 looks on a white background.

Color Contrast Check

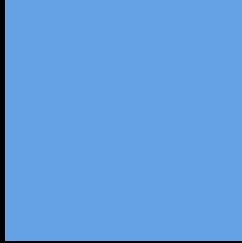
Large Text (above 18pt) WCAG AA × Fail

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 32.2546, 33.9136, 78.9747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

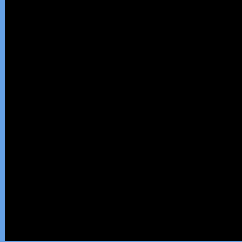
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

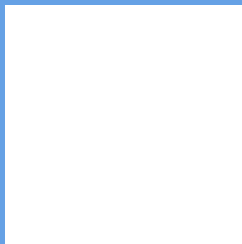
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2546, 33.9136, 78.9747

Background



This preview shows how black text looks on a background with the XYZ color 32.2546, 33.9136, 78.9747.

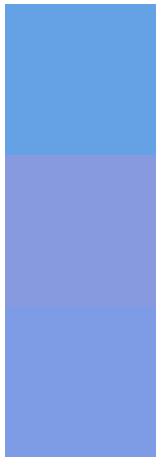


This preview shows how white text looks on a background with the XYZ color 32.2546, 33.9136,

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

32.2546, 33.9136, 78.9747

Protanopia

35.0018, 33.6439, 75.1701

Deuteranopia

34.7756, 33.9257, 79.5784



Tritanopia

26.4892, 34.0073, 49.9677

Trichromacy



Original Color

32.2546, 33.9136, 78.9747

Protanomaly

33.9528, 33.8159, 76.6891

Deuteranomaly

33.8459, 33.9488, 79.6318

Tritanomaly

28.4605, 33.9812, 59.7026

Monochromacy



Original Color

32.2546, 33.9136, 78.9747

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5309, 31.6839, 47.2070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2546, 33.9136, 78.9747 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(101, 161, 229)` looks like.

```
.text, #text, p{  
    color:rgb(101, 161, 229)  
}
```

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(101, 161, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 161, 229) }
```

Border

The CSS property to change the border of an element to XYZ 32.2546, 33.9136, 78.9747 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(101, 161, 229) }
```


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

```
.border{ border-color:rgb(101, 161, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 161, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 161, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 161, 229); box-shadow:4px 4px 4px 4px rgb(101, 161, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2546, 33.9136, 78.9747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 161, 229) }
```

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

```
.background{ background-color: rgb(101,  
161, 229) }
```

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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