

Converting Colors

XYZ(32.6845, 34.8244, 83.5964)

Have a look what the booklet for XYZ(32.6845, 34.8244, 83.5964) contains.

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Color

**XYZ(32.6845, 34.8244,
83.5964)**

Conversions

Conversions Part 1

Format	Color
Hex	5CA4EB
RGB	92, 164, 235
RGB Percent	36%, 64%, 92%
CMY	0.6392, 0.3569, 0.0784
CMYK	0.61, 0.30, 0.00, 0.08
HSL	210°, 78%, 64%
HSV	210°, 61%, 92%
XYZ	32.6845, 34.8244, 83.5964
YIQ	150.5660, -65.7030, 6.8170

Conversions

Conversions Part 2

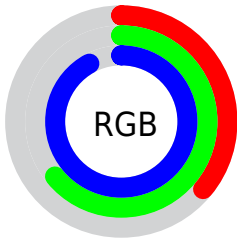
Format	Color
R _Y B	92, 140, 235
Decimal	6071531
CIE Lab	65.61, -1.48, -42.43
CIE LCh	66, 42.451, 268.007
Yxy	34.8244, 0.2163, 0.2305
Android (android.graphics.Color)	4284261611 (0xFF5CA4EB)
YUV	150.5660, 41.6260, -51.3624
Hunter-Lab	59.0122, -4.4073, -42.6814

Details

The XYZ color **32.6845, 34.8244, 83.5964** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **49.2917, 44.6318, 16.1438**, and the grayscale version is **29.0798, 30.5942, 33.3170**.

A 20% lighter version of the original color is **56.5184, 64.6553, 104.1086**, and **14.0668, 15.0778, 44.8167** is the 20% darker color. If you saturate the color by 10%, you get **28.6975, 29.8105, 82.8395**, and if you desaturate by 10%, it is **37.5935, 40.5991, 84.4530**.

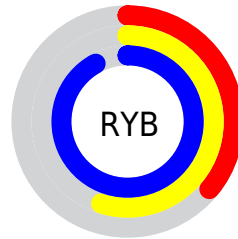
Distribution



Red (36%)

Green (64%)

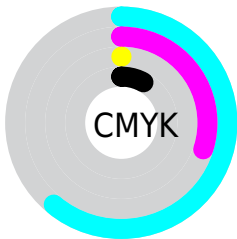
Blue (92%)



Red (36%)

Yellow (55%)

Blue (92%)

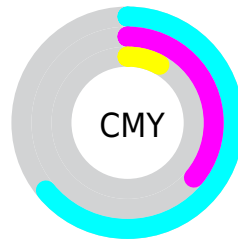


Cyan (61%)

Magenta (30%)

Yellow (0%)

Black (8%)



Cyan (64%)

Magenta (36%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6845, 34.8244, 83.5964 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 32.6845, 34.8244, 83.5964 by changing the saturation by 10% instead.

■ 32.6845, 34.8244,
83.5964

■ 32.6845, 34.8244,
83.5964

305.9159,
323.7926, 526.9950

■ 22.0429, 23.5276,
62.1388

■ 63.2406, 67.2136,
140.2672

■ 14.0052, 14.9836,
44.7084

■ 83.8859, 89.0749,
176.3174

■ 8.2060, 8.8079,
30.8865

■ 108.5964,
115.2265, 218.0689

■ 4.2800, 4.6161,
20.2547

■ 137.7376,
146.0527, 265.9403

■ 1.8617, 2.0238,
12.3944

171.6748,
181.9381, 320.3501

■ 0.5544, 0.6213,
6.8871

210.7733,

■ 0.0000, 0.0000,

223.2669, 381.7167

3.3142

255.3986,
270.4236, 450.4589

■ 0.0000, 0.0000,
1.2572

■ 0.0000, 0.0000,
0.0263

■ 32.6845, 34.8244,
83.5964

■ 32.6845, 34.8244,
83.5964

■ 28.6975, 29.8105,
82.8395

■ 37.5935, 40.5991,
84.4530

■ 25.5537, 25.5076,
82.1746

■ 43.4865, 47.1723,
85.4112

■ 23.1656, 21.8631,
81.5970

■ 50.4242, 54.5829,
86.4759

■ 21.5116, 19.0303,
81.1374

■ 58.4608, 62.8656,
87.6510

67.6466, 72.0529,
88.9402

78.0286, 82.1754,
90.3469

89.0940, 92.9751,
91.8482

91.9955, 98.7782,
92.8154

Harmonies

Analogous

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



27.1479, 34.8244, 75.1065



32.6845, 34.8244, 83.5964



39.0514, 34.8244, 77.0049

Triad

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



32.6845, 34.8244, 83.5964



44.8466, 34.8244, 23.9778



23.9412, 34.8244, 22.4866

Complementary

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



32.6845, 34.8244, 83.5964



49.2917, 44.6318, 16.1438

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.



27.7854, 34.8244, 14.9722



32.6845, 34.8244, 83.5964



39.8630, 34.8244, 15.6239

Square

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



32.6845, 34.8244, 83.5964



46.5778, 34.8244, 39.1241



33.5181, 34.8244, 12.9218



22.5100, 34.8244, 36.7367

Rectangle

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



32.6845, 34.8244, 83.5964



42.8284, 34.8244, 65.8249



33.5181, 34.8244, 12.9218



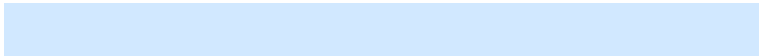
24.9683, 34.8244, 19.2798

Sweetspot

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



32.6858, 34.8256, 83.5973



73.2885, 78.6213, 105.9205



40.5667, 64.2704, 44.0416



15.0276, 16.1619, 22.5775



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.



32.6858, 34.8256, 83.5973



33.5151, 34.5228, 99.5049



23.4475, 16.3490, 80.5178



14.8579, 15.8023, 19.1893



12.1000, 10.8470, 45.1989



1.0464, 1.0442, 3.5813

Inverse Universe

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



44.7901, 27.9984, 38.1665



49.9316, 28.1269, 37.2475



65.2242, 76.4968, 21.4546



15.3818, 15.1806, 17.2961



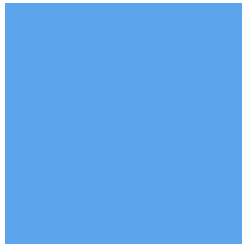
20.9628, 10.5878, 10.8715



1.6947, 0.8508, 1.1095

Previews

White Background



This preview shows how the XYZ color 32.6845, 34.8244, 83.5964 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 32.6845, 34.8244, 83.5964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

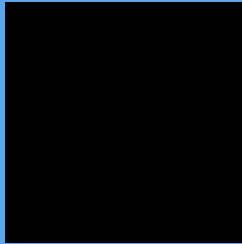
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.6845, 34.8244, 83.5964

Background



This preview shows how black text looks on a background with the XYZ color 32.6845, 34.8244, 83.5964.

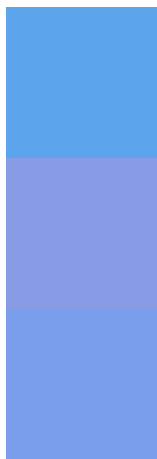


This preview shows how white text looks on a background with the XYZ color 32.6845, 34.8244,

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

32.6845, 34.8244, 83.5964

Protanopia

35.8837, 34.5293, 78.1723

Deuteranopia

35.5356, 34.7208, 84.1857



Tritanopia

26.4390, 34.7771, 52.3329

Trichromacy



Original Color

32.6845, 34.8244, 83.5964

Protanomaly

34.4297, 34.4877, 80.4435

Deuteranomaly

34.3932, 34.6425, 84.2308

Tritanomaly

28.4157, 34.7288, 62.3324

Monochromacy



Original Color

32.6845, 34.8244, 83.5964

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5379, 31.9002, 48.8565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6845, 34.8244, 83.5964 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(92, 164, 235)` looks like.

```
.text, #text, p{  
    color:rgb(92, 164, 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(92, 164, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 164, 235) }
```

Border

The CSS property to change the border of an element to XYZ 32.6845, 34.8244, 83.5964 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(92, 164, 235) }
```


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

```
.border{ border-color:rgb(92, 164, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 164, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 164, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 164, 235);  
box-shadow:4px 4px 4px 4px rgb(92, 164,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6845, 34.8244, 83.5964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 164, 235) }
```

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

```
.background{ background-color: rgb(92, 164,  
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](#).

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