

Converting Colors

XYZ(29.8333, 32.2240, 82.9421)

Have a look what the booklet for
XYZ(29.8333, 32.2240, 82.9421)
contains.

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Color

**XYZ(29.9501, 32.3687,
83.2665)**

Conversions

Conversions Part 1

Format	Color
Hex	44A0EB
RGB	68, 160, 235
RGB Percent	27%, 63%, 92%
CMY	0.7333, 0.3725, 0.0784
CMYK	0.71, 0.32, 0.00, 0.08
HSL	207°, 81%, 59%
HSV	207°, 71%, 92%
XYZ	29.9501, 32.3687, 83.2665
YIQ	141.0420, -78.9070, 3.8210

Conversions

Conversions Part 2

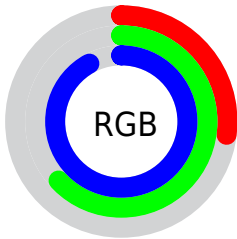
Format	Color
RYB	68, 127, 235
Decimal	4497643
CIELab	63.65, -3.06, -45.57
CIELCh	64, 45.675, 266.159
Yxy	32.3687, 0.2057, 0.2223
Android (android.graphics.Color)	4282687723 (0xFF44A0EB)
YUV	141.0420, 46.3213, -64.0578
Hunter-Lab	56.8935, -5.5969, -46.9485

Details

The XYZ color **29.9501, 32.3687, 83.2665** 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 **45.1290, 37.7279, 10.3743**, and the grayscale version is **25.1819, 26.4933, 28.8512**.

A 20% lighter version of the original color is **51.9281, 60.3815, 103.5256**, and **13.6053, 14.1920, 44.6701** is the 20% darker color. If you saturate the color by 10%, you get **26.8747, 28.1818, 82.6211**, and if you desaturate by 10%, it is **33.8397, 37.2069, 83.9960**.

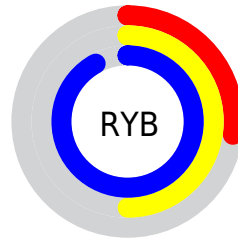
Distribution



Red (27%)

Green (63%)

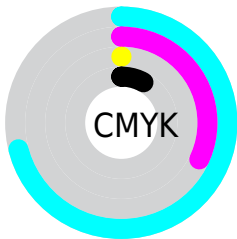
Blue (92%)



Red (27%)

Yellow (50%)

Blue (92%)

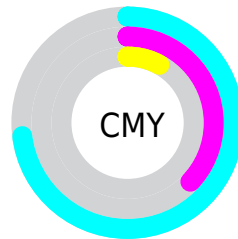


Cyan (71%)

Magenta (32%)

Yellow (0%)

Black (8%)



Cyan (73%)

Magenta (37%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9501, 32.3687, 83.2665 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 29.9501, 32.3687, 83.2665 by changing the saturation by 10% instead.

■ 29.9501, 32.3687,
83.2665

■ 29.9501, 32.3687,
83.2665

293.5858,
312.7954, 525.8685

■ 19.9486, 21.6433,
61.8681

■ 58.9704, 63.3886,
139.8012

■ 12.4657, 13.5950,
44.4911

■ 78.7200, 84.4520,
175.7747

■ 7.1361, 7.8395,
30.7167

■ 102.4496,
109.7300, 217.4436

■ 3.5945, 3.9924,
20.1266

■ 130.5246,
139.6072, 265.2264

■ 1.4754, 1.6693,
12.3021

163.3103,
174.4680, 319.5418

■ 0.3090, 0.4037,
6.8247

201.1722,

■ 0.0000, 0.0000,

214.6966, 380.8083

3.2760

244.4756,
260.6777, 449.4443

■ 0.0000, 0.0000,
1.2372

■ 0.0000, 0.0000,
0.0095

■ 29.9501, 32.3687,
83.2665

■ 29.9501, 32.3687,
83.2665

■ 26.8747, 28.1818,
82.6211

■ 33.8397, 37.2069,
83.9960


■ 24.5221, 24.5920,
82.0522


■ 38.6137, 42.7366,
84.8118


■ 22.9060, 21.8192,
81.6022


■ 44.3378, 48.9976,
85.7186


■ 51.0703, 56.0250,
86.7201

 58.8643, 63.8512,
87.8200

 67.7689, 72.5063,
89.0213

 77.8302, 82.0189,
90.3271

 88.7180, 92.2232,
91.7228

 91.9930, 98.7731,
92.8145

Harmonies

Analogous

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



24.4211, 32.3687, 73.2670



29.9501, 32.3687, 83.2665



36.5028, 32.3687, 77.1722

Triad

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



29.9501, 32.3687, 83.2665



43.1561, 32.3687, 21.9022



21.6517, 32.3687, 19.0627

Complementary

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



29.9501, 32.3687, 83.2665



45.1290, 37.7279, 10.3743

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.



25.6632, 32.3687, 12.1640



29.9501, 32.3687, 83.2665



38.1232, 32.3687, 13.3605

Square

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



29.9501, 32.3687, 83.2665



44.7160, 32.3687, 37.6530



31.5955, 32.3687, 10.5116



20.0678, 32.3687, 32.9400

Rectangle

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



29.9501, 32.3687, 83.2665



40.4995, 32.3687, 65.6471



31.5955, 32.3687, 10.5116



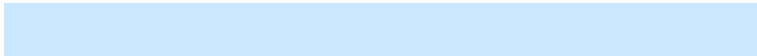
22.7313, 32.3687, 16.0655

Sweetspot

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



29.9513, 32.3698, 83.2673



70.8203, 76.8235, 105.7035



36.8545, 62.5510, 35.0867



14.5736, 15.8633, 22.5438



0.0000, 0.0000, 0.0000



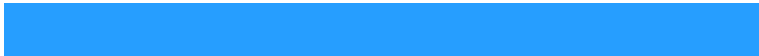
20.3446, 21.4041, 23.3091

Same Dimension

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



29.9513, 32.3698, 83.2673



31.0262, 31.9721, 99.1437



20.1866, 12.8403, 80.0124



14.9191, 15.9247, 19.2097



12.8775, 12.4020, 45.4581



1.1070, 1.1655, 3.6015

Inverse Universe

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



42.6744, 24.3361, 35.7067



48.0828, 25.1189, 34.5052



61.9252, 71.3203, 15.9730



15.4127, 15.1929, 17.4587



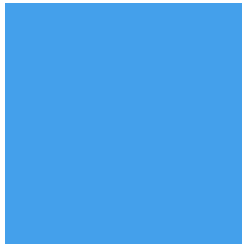
21.3553, 10.7448, 12.9381



1.7253, 0.8631, 1.2707

Previews

White Background



This preview shows how the XYZ color 29.9501, 32.3687, 83.2665 looks on a white background.

Color Contrast Check

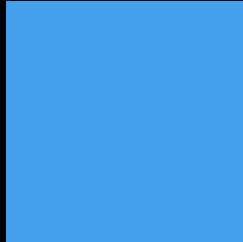
Large Text (above 18pt) WCAG AA × Fail

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 29.9501, 32.3687, 83.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

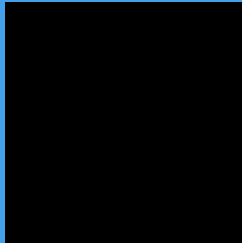
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

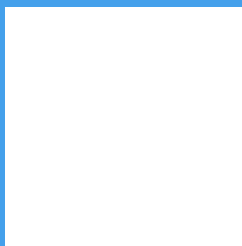
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9501, 32.3687, 83.2665

Background



This preview shows how black text looks on a background with the XYZ color 29.9501, 32.3687, 83.2665.

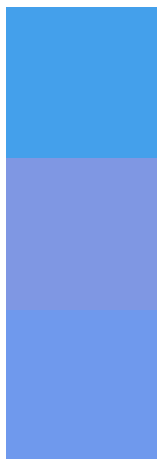


This preview shows how white text looks on a background with the XYZ color 29.9501, 32.3687,

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

29.9501, 32.3687, 83.2665

Protanopia

33.6841, 32.1913, 77.1112

Deuteranopia

33.2328, 32.2764, 84.5992



Tritanopia

23.3149, 32.3589, 50.3645

Trichromacy



Original Color

29.9501, 32.3687, 83.2665

Protanomaly

31.7824, 31.8885, 79.3429

Deuteranomaly

31.7481, 32.2660, 83.9115

Tritanomaly

25.1787, 31.9775, 61.3451

Monochromacy



Original Color

29.9501, 32.3687, 83.2665

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.2672, 27.8524, 44.6018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9501, 32.3687, 83.2665 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(68, 160, 235)` looks like.

```
.text, #text, p{  
    color:rgb(68, 160, 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(68, 160, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 160, 235) }
```

Border

The CSS property to change the border of an element to XYZ 29.9501, 32.3687, 83.2665 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(68, 160, 235) }
```


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

```
.border{ border-color:rgb(68, 160, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 160, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 160, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 160, 235);  
box-shadow:4px 4px 4px 4px rgb(68, 160,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9501, 32.3687, 83.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 160, 235) }
```

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

```
.background{ background-color: rgb(68, 160,  
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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