

Converting Colors

XYZ(29.7282, 32.4931, 84.0767)

Have a look what the booklet for
XYZ(29.7282, 32.4931, 84.0767)
contains.

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Color

**XYZ(29.7487, 32.5065,
84.0633)**

Conversions

Conversions Part 1

Format	Color
Hex	3CA1EC
RGB	60, 161, 236
RGB Percent	24%, 63%, 93%
CMY	0.7647, 0.3686, 0.0745
CMYK	0.75, 0.32, 0.00, 0.07
HSL	206°, 82%, 58%
HSV	206°, 75%, 93%
XYZ	29.7487, 32.5065, 84.0633
YIQ	139.3510, -84.2710, 1.9130

Conversions

Conversions Part 2

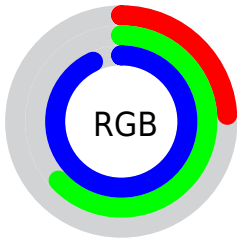
Format	Color
R _Y B	60, 124, 236
Decimal	3973612
CIE Lab	63.76, -4.31, -45.96
CIE LCh	64, 46.161, 264.641
Yxy	32.5065, 0.2033, 0.2222
Android (android.graphics.Color)	4282163692 (0xFF3CA1EC)
YUV	139.3510, 47.6480, -69.5908
Hunter-Lab	57.0145, -6.6386, -47.5083

Details

The XYZ color **29.7487, 32.5065, 84.0633** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **44.0742, 35.4911, 8.8044**, and the grayscale version is **24.5231, 25.8002, 28.0964**.

A 20% lighter version of the original color is **51.6591, 60.9989, 103.6590**, and **13.8141, 14.4471, 45.2405** is the 20% darker color. If you saturate the color by 10%, you get **26.9401, 28.5540, 83.4491**, and if you desaturate by 10%, it is **33.3362, 37.0714, 84.7560**.

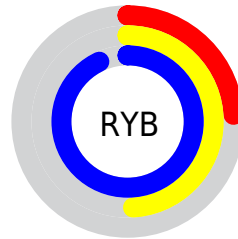
Distribution



Red (24%)

Green (63%)

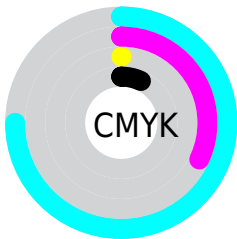
Blue (93%)



Red (24%)

Yellow (49%)

Blue (93%)

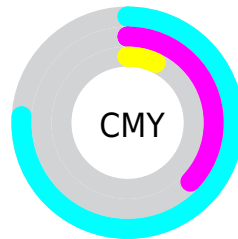


Cyan (75%)

Magenta (32%)

Yellow (0%)

Black (7%)



Cyan (76%)

Magenta (37%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7487, 32.5065, 84.0633 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 29.7487, 32.5065, 84.0633 by changing the saturation by 10% instead.

■ 29.7487, 32.5065,
84.0633

■ 29.7487, 32.5065,
84.0633

292.6622,
313.4201, 528.5870

■ 19.7950, 21.7487,
62.5220

■ 58.6539, 63.6043,
140.9262

■ 12.3535, 13.6723,
45.0161

■ 78.3361, 84.7130,
177.0850

■ 7.0588, 7.8931,
31.1271

■ 101.9920,
110.0408, 218.9532

■ 3.5456, 4.0266,
20.4364

■ 129.9867,
139.9721, 266.9496

■ 1.4484, 1.6885,
12.5254

162.6858,
174.8913, 321.4927

■ 0.2903, 0.4162,
6.9757

200.4545,

■ 0.0000, 0.0000,

215.1828, 383.0009

3.3687

243.6582,
261.2309, 451.8928

■ 0.0000, 0.0000,
1.2858

■ 0.0000, 0.0000,
0.0501

■ 29.7487, 32.5065,
84.0633

■ 29.7487, 32.5065,
84.0633

■ 26.9401, 28.5540,
83.4491

■ 33.3362, 37.0714,
84.7560

■ 24.8119, 25.1567,
82.9055

■ 37.7772, 42.2905,
85.5293

■ 23.8639, 23.5032,
82.6363

■ 43.1406, 48.2043,
86.3881

■ 49.4866, 54.8483,
87.3361

■ 56.8700, 62.2552,
88.3766

■ 65.3415, 70.4552,
89.5129

■ 74.9479, 79.4766,
90.7479

■ 85.7335, 89.3462,
92.0844

■ 91.0400, 96.6354,
93.2117

Harmonies

Analogous

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



24.2394, 32.5065, 73.1470



29.7487, 32.5065, 84.0633



36.3814, 32.5065, 78.6816

Triad

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



29.7487, 32.5065, 84.0633



43.6455, 32.5065, 22.5159



21.8174, 32.5065, 18.5150

Complementary

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



29.7487, 32.5065, 84.0633



44.0742, 35.4911, 8.8044

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.



25.9925, 32.5065, 11.8761



29.7487, 32.5065, 84.0633



38.6727, 32.5065, 13.5570

Square

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



29.7487, 32.5065, 84.0633



45.0180, 32.5065, 38.8281



32.0734, 32.5065, 10.4456



20.0879, 32.5065, 32.1687

Rectangle

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



29.7487, 32.5065, 84.0633



40.4926, 32.5065, 67.2944



32.0734, 32.5065, 10.4456



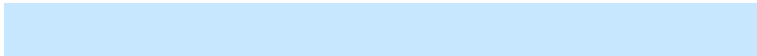
22.9505, 32.5065, 15.6082

Sweetspot

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



29.7499, 32.5076, 84.0641



70.1784, 76.5519, 105.6849



36.1173, 62.6554, 32.5045



14.4623, 15.8372, 22.5446



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.



29.7499, 32.5076, 84.0641



30.8053, 32.0176, 99.1642



19.4992, 12.0061, 80.6472



14.9489, 15.9842, 19.2196



13.2852, 13.2173, 45.5940



1.1383, 1.2280, 3.6119

Inverse Universe

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



42.6421, 23.6395, 36.0343



47.8523, 24.5712, 34.6958



61.3534, 70.0495, 14.5642



15.4278, 15.1990, 17.5378



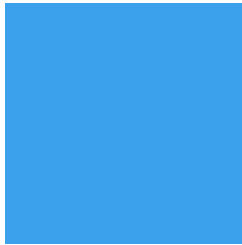
21.5610, 10.8271, 14.0217



1.7410, 0.8694, 1.3537

Previews

White Background



This preview shows how the XYZ color 29.7487, 32.5065, 84.0633 looks on a white background.

Color Contrast Check

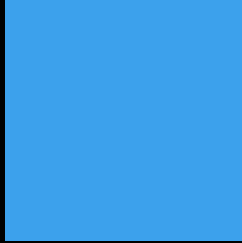
Large Text (above 18pt) WCAG AA × Fail

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 29.7487, 32.5065, 84.0633 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

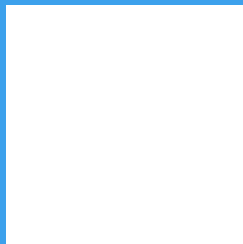
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7487, 32.5065, 84.0633

Background



This preview shows how black text looks on a background with the XYZ color 29.7487, 32.5065, 84.0633.

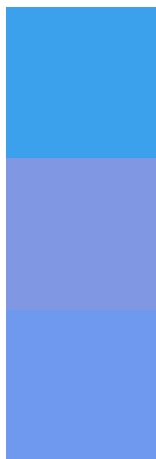


This preview shows how white text looks on a background with the XYZ color 29.7487, 32.5065,

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

29.7487, 32.5065, 84.0633

Protanopia

33.8338, 32.2685, 77.1182

Deuteranopia

33.2543, 32.2705, 85.3651



Tritanopia

23.2146, 32.5865, 50.4137

Trichromacy



Original Color

29.7487, 32.5065, 84.0633

Protanomaly

31.5978, 32.0394, 79.3818

Deuteranomaly

31.5882, 32.1667, 84.6647

Tritanomaly

24.9291, 32.1198, 61.3858

Monochromacy



Original Color

29.7487, 32.5065, 84.0633

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.5041, 27.2384, 44.0104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7487, 32.5065, 84.0633 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(60, 161, 236)` looks like.

```
.text, #text, p{  
    color:rgb(60, 161, 236)  
}
```

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(60, 161, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 161, 236) }
```

Border

The CSS property to change the border of an element to XYZ 29.7487, 32.5065, 84.0633 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(60, 161, 236) }
```


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

```
.border{ border-color:rgb(60, 161, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 161, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 161, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 161, 236);  
box-shadow:4px 4px 4px 4px rgb(60, 161,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7487, 32.5065, 84.0633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 161, 236) }
```

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

```
.background{ background-color: rgb(60, 161,  
236) }
```

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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