

Converting Colors

XYZ(32.8584, 32.8017, 98.2828)

Have a look what the booklet for
XYZ(32.8584, 32.8017, 98.2828)
contains.

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Color

**XYZ(32.8480, 32.7656,
98.3590)**

Conversions

Conversions Part 1

Format	Color
Hex	4B9DFE
RGB	75, 157, 254
RGB Percent	29%, 62%, 100%
CMY	0.7058, 0.3843, 0.0039
CMYK	0.70, 0.38, 0.00, 0.00
HSL	213°, 99%, 65%
HSV	213°, 70%, 100%
XYZ	32.8480, 32.7656, 98.3590
YIQ	143.5400, -80.0090, 12.7830

Conversions

Conversions Part 2

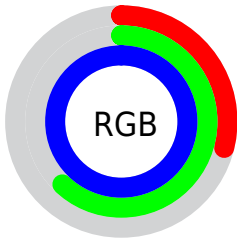
Format	Color
R _Y B	75, 131, 254
Decimal	4955646
CIE Lab	63.97, 6.18, -55.46
CIE LCh	64, 55.800, 276.359
Yxy	32.7656, 0.2003, 0.1998
Android (android.graphics.Color)	4283145726 (0xFF4B9DFE)
YUV	143.5400, 54.4568, -60.1096
Hunter-Lab	57.2412, 2.2604, -61.8106

Details

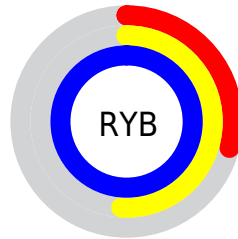
The XYZ color **32.8480, 32.7656, 98.3590** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **56.8982, 51.0881, 13.5208**, and the grayscale version is **26.1378, 27.4990, 29.9464**.

A 20% lighter version of the original color is **52.4996, 59.5593, 103.3368**, and **15.2321, 14.3393, 54.7883** is the 20% darker color. If you saturate the color by 10%, you get **29.0439, 27.5402, 97.5516**, and if you desaturate by 10%, it is **37.7095, 38.9264, 99.2926**.

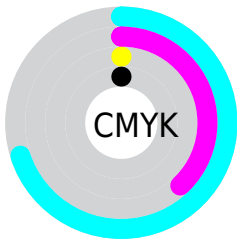
Distribution



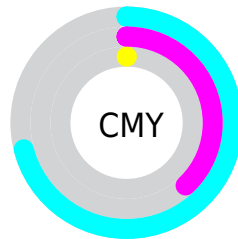
- Red (29%)
- Green (62%)
- Blue (100%)



- Red (29%)
- Yellow (51%)
- Blue (100%)



- Cyan (70%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8480, 32.7656, 98.3590 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 32.8480, 32.7656, 98.3590 by changing the saturation by 10% instead.

■ 32.8480, 32.7656,
98.3590

■ 32.8480, 32.7656,
98.3590

306.6414,
314.5922, 576.1202

■ 22.1687, 21.9469,
74.3215

■ 63.4944, 64.0094,
160.9324

■ 14.0982, 13.8179,
54.5589

■ 84.1922, 85.2033,
200.3054

■ 8.2712, 7.9941,
38.6524

■ 108.9603,
110.6245, 245.6274

■ 4.3222, 4.0912,
26.1837

■ 138.1639,
140.6572, 297.3168

■ 1.8860, 1.7247,
16.7341

172.1685,
175.6860, 355.7923

■ 0.5687, 0.4396,
9.8852

211.3394,

■ 0.0000, 0.0000,

216.0951, 421.4723

5.2183

256.0419,
262.2691, 494.7755

■ 0.0000, 0.0000,
2.3149

■ 0.0000, 0.0000,
0.7396

■ 32.8480, 32.7656,
98.3590

■ 32.8480, 32.7656,
98.3590

■ 29.0439, 27.5402,
97.5516

■ 37.7095, 38.9264,
99.2926

■ 26.1838, 23.1777,
96.8603

■ 43.7171, 46.0794,
100.3567

■ 24.1755, 19.7277,
96.3002

■ 50.9533, 54.2793,
101.5580

■ 59.4915, 63.5751,
102.9023

■ 69.3990, 74.0124,
104.3947

■ 80.7381, 85.6337,
106.0402

■ 93.5670, 98.4790,
107.8434

■ 94.8895, 99.9358,
108.0549

Harmonies

Analogous

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



25.4631, 32.7656, 91.8832



32.8480, 32.7656, 98.3590



40.9968, 32.7656, 83.1611

Triad

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



32.8480, 32.7656, 98.3590



44.9792, 32.7656, 15.6659



19.2410, 32.7656, 20.9732

Complementary

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



32.8480, 32.7656, 98.3590



56.8982, 51.0881, 13.5208

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.



23.0095, 32.7656, 10.9278



32.8480, 32.7656, 98.3590



37.6098, 32.7656, 8.8897

Square

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



32.8480, 32.7656, 98.3590



48.7216, 32.7656, 31.0907



29.4975, 32.7656, 7.6213



18.4003, 32.7656, 40.6917

Rectangle

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



32.8480, 32.7656, 98.3590



45.5069, 32.7656, 65.4535



29.4975, 32.7656, 7.6213



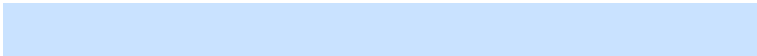
20.1723, 32.7656, 16.6583

Sweetspot

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



32.8493, 32.7666, 98.3598



69.4494, 74.0817, 105.2466



45.6451, 75.3006, 50.3936



14.2483, 15.2126, 22.4353



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.



32.8493, 32.7666, 98.3598



27.8808, 25.6814, 98.0953



23.7978, 13.9378, 95.2026



17.6885, 18.7487, 22.9365



12.8890, 10.6876, 50.8182



1.3627, 1.2560, 4.9839

Inverse Universe

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



49.4761, 28.5390, 34.8000



46.4952, 24.4839, 26.1449



75.4361, 91.3550, 20.3160



18.3554, 18.1255, 20.4889



23.2940, 11.8069, 10.1986



2.3224, 1.1713, 1.2792

Previews

White Background



This preview shows how the XYZ color 32.8480, 32.7656, 98.3590 looks on a white background.

Color Contrast Check

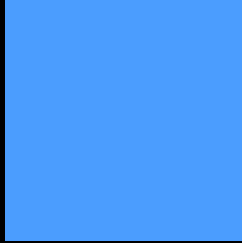
Large Text (above 18pt) WCAG AA × Fail

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 32.8480, 32.7656, 98.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

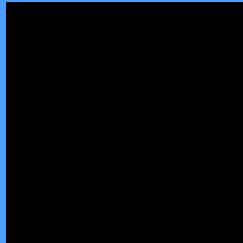
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

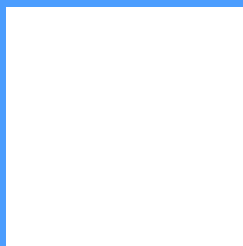
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8480, 32.7656, 98.3590

Background



This preview shows how black text looks on a background with the XYZ color 32.8480, 32.7656, 98.3590.



This preview shows how white text looks on a background with the XYZ color 32.8480, 32.7656,

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

32.8480, 32.7656, 98.3590

Protanopia

35.2123, 32.6235, 93.2480

Deuteranopia

33.8912, 32.7865, 99.1499



Tritanopia

23.3199, 32.6286, 50.9678

Trichromacy



Original Color

32.8480, 32.7656, 98.3590

Protanomaly

34.0134, 32.4513, 94.9135

Deuteranomaly

33.5946, 32.8818, 99.1839

Tritanomaly

25.7211, 32.1586, 65.8244

Monochromacy



Original Color

32.8480, 32.7656, 98.3590

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.0069, 28.8775, 49.4979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8480, 32.7656, 98.3590 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(75, 157, 254)` looks like.

```
.text, #text, p{  
    color:rgb(75, 157, 254)  
}
```

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(75, 157, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 157, 254) }
```

Border

The CSS property to change the border of an element to XYZ 32.8480, 32.7656, 98.3590 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(75, 157, 254) }
```


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

```
.border{ border-color:rgb(75, 157, 254) }
```

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

Here you see how a box with a 4 pixel rgb(75, 157, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 157, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 157, 254);  
box-shadow:4px 4px 4px 4px rgb(75, 157,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8480, 32.7656, 98.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 157, 254) }
```

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

```
.background{ background-color: rgb(75, 157,  
254) }
```

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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