

Converting Colors

XYZ(32.2754, 27.5365, 98.2217)

Have a look what the booklet for
XYZ(32.2754, 27.5365, 98.2217)
contains.

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Color

**XYZ(32.3336, 27.6531,
98.2412)**

Conversions

Conversions Part 1

Format	Color
Hex	6688FF
RGB	102, 136, 255
RGB Percent	40%, 53%, 100%
CMY	0.6000, 0.4667, 0.0000
CMYK	0.60, 0.47, 0.00, 0.00
HSL	227°, 100%, 70%
HSV	227°, 60%, 100%
XYZ	32.3336, 27.6531, 98.2412
YIQ	139.4000, -58.4630, 29.8010

Conversions

Conversions Part 2

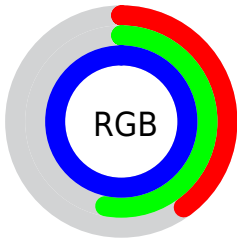
Format	Color
RYB	102, 130, 255
Decimal	6719743
CIELab	59.57, 23.29, -62.96
CIElCh	60, 67.129, 290.300
Yxy	27.6531, 0.2043, 0.1748
Android (android.graphics.Color)	4284909823 (0xFF6688FF)
YUV	139.4000, 56.9908, -32.7998
Hunter-Lab	52.5862, 17.7281, -73.9548

Details

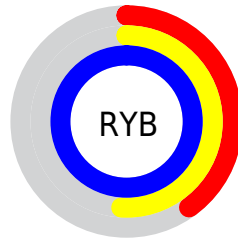
The XYZ color **32.3336, 27.6531, 98.2412** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.4967, 73.9355, 23.1804**, and the grayscale version is **24.4991, 25.7750, 28.0690**.

A 20% lighter version of the original color is **51.5574, 51.5077, 101.8324**, and **13.7548, 10.9861, 54.2189** is the 20% darker color. If you saturate the color by 10%, you get **27.3357, 21.3068, 97.2796**, and if you desaturate by 10%, it is **38.7390, 35.4928, 99.4168**.

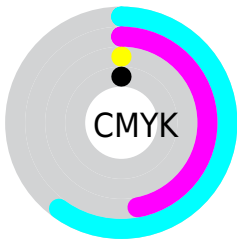
Distribution



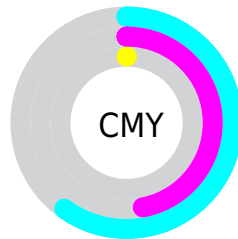
- Red (40%)
- Green (53%)
- Blue (100%)



- Red (40%)
- Yellow (51%)
- Blue (100%)



- Cyan (60%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3336, 27.6531, 98.2412 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 32.3336, 27.6531, 98.2412 by changing the saturation by 10% instead.

■ 32.3336, 27.6531,
98.2412

■ 32.3336, 27.6531,
98.2412

304.3545,
290.8056, 575.7374

■ 21.7732, 18.0643,
74.2238

■ 62.6954, 55.9301,
160.7688

■ 13.8060, 10.9962,
54.4794

■ 83.2275, 75.3872,
200.1161

■ 8.0667, 6.0643,
38.5893

■ 107.8142, 98.9024,
245.4105

■ 4.1898, 2.8842,
26.1350

136.8209,
126.8602, 297.0705

■ 1.8101, 1.0716,
16.6980

170.6129,
159.6451, 355.5147

■ 0.5237, 0.0000,
9.8597

209.5556,

■ 0.0000, 0.0000,

197.6413, 421.1615

5.2017

254.0143,
241.2334, 494.4296

■ 0.0000, 0.0000,
2.3053

■ 0.0000, 0.0000,
0.7342

■ 32.3336, 27.6531,
98.2412

■ 32.3336, 27.6531,
98.2412

■ 27.3357, 21.3068,
97.2796

■ 38.7390, 35.4928,
99.4168

■ 23.6290, 16.3507,
96.5184

■ 46.6489, 44.9142,
100.8184

■ 21.0825, 12.6711,
95.9423

■ 56.1549, 56.0014,
102.4574

■ 19.4967, 10.1133,
95.5322

■ 67.3404, 68.8314,
104.3443

■ 19.4963, 10.1127,
95.5321

■ 80.2827, 83.4766,
106.4890

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



23.6397, 27.6531, 103.2182



32.3336, 27.6531, 98.2412



40.8726, 27.6531, 70.6905

Triad

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



32.3336, 27.6531, 98.2412



38.0890, 27.6531, 6.6218



13.2998, 27.6531, 22.9298

Complementary

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



32.3336, 27.6531, 98.2412



69.4967, 73.9355, 23.1804

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.



15.6588, 27.6531, 9.0930



32.3336, 27.6531, 98.2412



29.1173, 27.6531, 3.5897

Square

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



32.3336, 27.6531, 98.2412



44.6586, 27.6531, 16.6781



21.0394, 27.6531, 4.1562



13.7993, 27.6531, 49.3126

Rectangle

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



32.3336, 27.6531, 98.2412



44.7416, 27.6531, 48.6784



21.0394, 27.6531, 4.1562



13.7614, 27.6531, 16.9892

Sweetspot

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



32.3347, 27.6539, 98.2413



69.7823, 71.6089, 104.7517



54.0663, 79.4756, 79.7170



14.1797, 14.4662, 22.2949



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.



32.3347, 27.6539, 98.2413



26.4937, 20.2061, 97.1115



34.0961, 22.5465, 97.1626



17.3303, 18.0321, 22.8171



10.2771, 5.4638, 49.9475



1.0776, 0.6859, 4.8889

Inverse Universe

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



50.4361, 32.5418, 26.9160



46.4543, 26.9917, 18.1477



65.9492, 86.8060, 25.8516



18.1746, 18.0532, 19.5366



21.9756, 11.2795, 3.2561



2.1785, 1.1138, 0.5215

Previews

White Background



This preview shows how the XYZ color 32.3336, 27.6531, 98.2412 looks on a white background.

Color Contrast Check

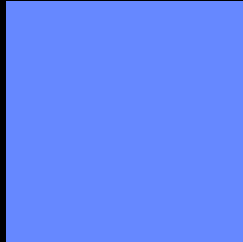
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3336, 27.6531, 98.2412 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 × Fail

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

XYZ 32.3336, 27.6531, 98.2412

Background



This preview shows how black text looks on a background with the XYZ color 32.3336, 27.6531, 98.2412.



This preview shows how white text looks on a background with the XYZ color 32.3336, 27.6531,

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

32.3336, 27.6531, 98.2412

Protanopia

31.2131, 27.7115, 98.3115

Deuteranopia

28.8513, 27.8562, 96.7847



Tritanopia

21.0998, 27.6983, 41.7703

Trichromacy



Original Color

32.3336, 27.6531, 98.2412

Protanomaly

31.5521, 27.6723, 98.2860

Deuteranomaly

29.6767, 27.5917, 97.5275

Tritanomaly

24.2333, 27.2428, 58.6247

Monochromacy



Original Color

32.3336, 27.6531, 98.2412

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.0332, 25.9488, 47.3526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3336, 27.6531, 98.2412 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(102, 136, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 136, 255)  
}
```

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(102, 136, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 136, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.3336, 27.6531, 98.2412 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(102, 136, 255) }
```


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

```
.border{ border-color:rgb(102, 136, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 136, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 136, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 136, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 136,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3336, 27.6531, 98.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 136, 255) }
```

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

```
.background{ background-color: rgb(102,  
136, 255) }
```

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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