

Converting Colors

XYZ(32.4735, 27.9298, 98.2872)

Have a look what the booklet for
XYZ(32.4735, 27.9298, 98.2872)
contains.

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Color

**XYZ(32.4751, 27.9361,
98.2883)**

Conversions

Conversions Part 1

Format	Color
Hex	6689FF
RGB	102, 137, 255
RGB Percent	40%, 54%, 100%
CMY	0.6000, 0.4627, 0.0000
CMYK	0.60, 0.46, 0.00, 0.00
HSL	226°, 100%, 70%
HSV	226°, 60%, 100%
XYZ	32.4751, 27.9361, 98.2883
YIQ	139.9870, -58.7380, 29.2780

Conversions

Conversions Part 2

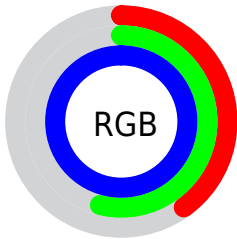
Format	Color
RYB	102, 130, 255
Decimal	6719999
CIELab	59.83, 22.69, -62.55
CIElCh	60, 66.536, 289.940
Yxy	27.9361, 0.2046, 0.1760
Android (android.graphics.Color)	4284910079 (0xFF6689FF)
YUV	139.9870, 56.7014, -33.3146
Hunter-Lab	52.8546, 17.1790, -73.2573

Details

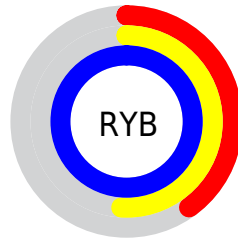
The XYZ color **32.4751, 27.9361, 98.2883** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.2334, 73.4091, 23.0927**, and the grayscale version is **24.7266, 26.0143, 28.3296**.

A 20% lighter version of the original color is **51.7733, 51.9394, 101.9043**, and **13.8563, 11.1594, 54.2470** is the 20% darker color. If you saturate the color by 10%, you get **27.4712, 21.5779, 97.3248**, and if you desaturate by 10%, it is **38.8792, 35.7731, 99.4635**.

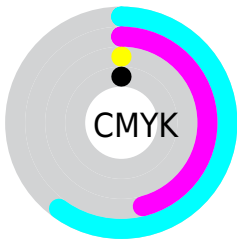
Distribution



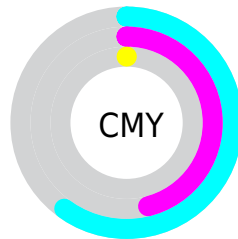
- Red (40%)
- Green (54%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4751, 27.9361, 98.2883 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 32.4751, 27.9361, 98.2883 by changing the saturation by 10% instead.

■ 32.4751, 27.9361,
98.2883

■ 32.4751, 27.9361,
98.2883

304.9848,
292.1615, 575.8905

■ 21.8819, 18.2775,
74.2629

■ 62.9153, 56.3824,
160.8342

■ 13.8863, 11.1494,
54.5112

■ 83.4931, 75.9389,
200.1918

■ 8.1228, 6.1674,
38.6145

■ 108.1299, 99.5635,
245.4972

■ 4.2261, 2.9471,
26.1545

137.1909,
127.6405, 297.1690

■ 1.8308, 1.1042,
16.7124

171.0415,
160.5545, 355.6257

■ 0.5361, 0.0000,
9.8699

210.0471,

■ 0.0000, 0.0000,

198.6897, 421.2858

5.2083

254.5731,
242.4305, 494.5679

■ 0.0000, 0.0000,
2.3091

■ 0.0000, 0.0000,
0.7363

■ 32.4751, 27.9361,
98.2883

■ 32.4751, 27.9361,
98.2883

■ 27.4712, 21.5779,
97.3248

■ 38.8792, 35.7731,
99.4635

■ 23.7522, 16.5971,
96.5594

■ 46.7796, 45.1757,
100.8620

■ 21.1879, 12.8818,
95.9775

■ 56.2675, 56.2266,
102.4949

■ 19.5799, 10.2797,
95.5600

■ 67.4255, 69.0017,
104.3727

■ 19.5795, 10.2791,
95.5598

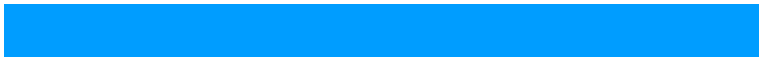
■ 80.3306, 83.5722,
106.5049

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.



23.8194, 27.9361, 102.8822



32.4751, 27.9361, 98.2883



40.9971, 27.9361, 71.1638

Triad

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



32.4751, 27.9361, 98.2883



38.4155, 27.9361, 6.9212



13.5728, 27.9361, 23.0052

Complementary

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



32.4751, 27.9361, 98.2883



69.2334, 73.4091, 23.0927

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.



15.9749, 27.9361, 9.2501



32.4751, 27.9361, 98.2883



29.4869, 27.9361, 3.7776

Square

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



32.4751, 27.9361, 98.2883



44.8987, 27.9361, 17.1700



21.3975, 27.9361, 4.3166



14.0401, 27.9361, 49.1625

Rectangle

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



32.4751, 27.9361, 98.2883



44.8821, 27.9361, 49.2892



21.3975, 27.9361, 4.3166



14.0477, 27.9361, 17.1073

Sweetspot

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



32.4762, 27.9369, 98.2884



69.8608, 71.7659, 104.7779



54.0663, 79.4756, 79.7170



14.1986, 14.5039, 22.3011



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.



32.4762, 27.9369, 98.2884



26.6272, 20.4733, 97.1561



34.0962, 22.5465, 97.1626



17.3400, 18.0517, 22.8204



10.3227, 5.5550, 49.9627



1.0833, 0.6973, 4.8908

Inverse Universe

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



50.5076, 32.5704, 27.2921



46.5217, 27.0187, 18.5027



65.9492, 86.8060, 25.8517



18.1795, 18.0551, 19.5626



21.9986, 11.2887, 3.3773



2.1814, 1.1149, 0.5367

Previews

White Background



This preview shows how the XYZ color 32.4751, 27.9361, 98.2883 looks on a white background.

Color Contrast Check

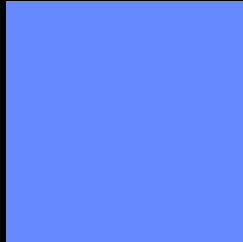
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4751, 27.9361, 98.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

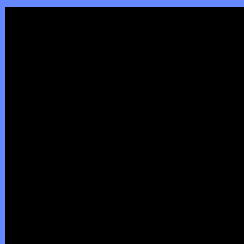
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.4751, 27.9361, 98.2883

Background



This preview shows how black text looks on a background with the XYZ color 32.4751, 27.9361, 98.2883.



This preview shows how white text looks on a background with the XYZ color 32.4751, 27.9361,

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

32.4751, 27.9361, 98.2883

Protanopia

31.5479, 28.1000, 98.3688

Deuteranopia

29.0273, 27.9470, 96.7929



Tritanopia

21.2683, 28.0353, 41.8265

Trichromacy



Original Color

32.4751, 27.9361, 98.2883

Protanomaly

31.8987, 28.0649, 98.3436

Deuteranomaly

29.8771, 27.6951, 97.5369

Tritanomaly

24.3922, 27.5606, 58.6777

Monochromacy



Original Color

32.4751, 27.9361, 98.2883

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.2803, 26.2783, 47.9431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4751, 27.9361, 98.2883 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, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 137, 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, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 137, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.4751, 27.9361, 98.2883 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, 137, 255) }
```


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

```
.border{ border-color:rgb(102, 137, 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, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 137,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4751, 27.9361, 98.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 137, 255) }
```

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

```
.background{ background-color: rgb(102,  
137, 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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