

Converting Colors

XYZ(33.0544, 32.7755, 51.7067)

Have a look what the booklet for
XYZ(33.0544, 32.7755, 51.7067)
contains.

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Color

**XYZ(32.9604, 32.6236,
51.5735)**

Conversions

Conversions Part 1

Format	Color
Hex	9798BB
RGB	151, 152, 187
RGB Percent	59%, 60%, 73%
CMY	0.4078, 0.4039, 0.2667
CMYK	0.19, 0.19, 0.00, 0.27
HSL	238°, 21%, 66%
HSV	238°, 19%, 73%
XYZ	32.9604, 32.6236, 51.5735
YIQ	155.6910, -11.8310, 10.6730

Conversions

Conversions Part 2

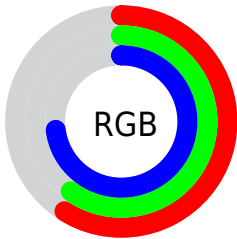
Format	Color
RYB	151, 152, 187
Decimal	9935035
CIELab	63.85, 7.08, -18.22
CIELCh	64, 19.548, 291.230
Yxy	32.6236, 0.2813, 0.2785
Android (android.graphics.Color)	4288125115 (0xFF9798BB)
YUV	155.6910, 15.4353, -4.1140
Hunter-Lab	57.1171, 3.0517, -13.5536

Details

The XYZ color **32.9604, 32.6236, 51.5735** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.6388, 47.9172, 36.2281**, and the grayscale version is **31.4004, 33.0356, 35.9758**.

A 20% lighter version of the original color is **63.7026, 63.7355, 93.7387**, and **14.2123, 13.7379, 24.4569** is the 20% darker color. If you saturate the color by 10%, you get **27.0334, 25.5191, 50.5151**, and if you desaturate by 10%, it is **39.8922, 40.9191, 52.8099**.

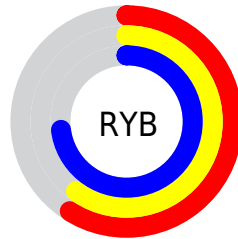
Distribution



Red (59%)

Green (60%)

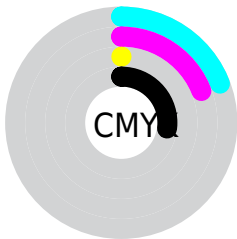
Blue (73%)



Red (59%)

Yellow (60%)

Blue (73%)

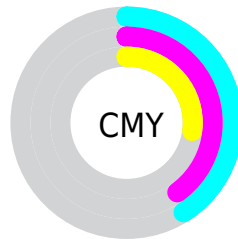


Cyan (19%)

Magenta (19%)

Yellow (0%)

Black (27%)



Cyan (41%)

Magenta (40%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9604, 32.6236, 51.5735 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 32.9604, 32.6236, 51.5735 by changing the saturation by 10% instead.

■ 32.9604, 32.6236,
51.5735

■ 32.9604, 32.6236,
51.5735

307.1394,
313.9502, 409.6979

■ 22.2552, 21.8383,
36.2853

■ 63.6688, 63.7874,
93.9221

■ 14.1622, 13.7381,
24.3632

■ 84.4027, 84.9347,
121.8196

■ 8.3160, 7.9387,
15.3886

109.2102,
110.3047, 154.7573

■ 4.3513, 4.0558,
8.9429

138.4567,
140.2819, 193.1538

■ 1.9027, 1.7048,
4.6077

172.5075,
175.2507, 237.4275

■ 0.5784, 0.4268,
1.9643

211.7280,

■ 0.0000, 0.0000,

215.5954, 287.9971

0.5332

256.4835,
261.7004, 345.2810

■ 0.0000, 0.0000,
0.0000

■ 32.9604, 32.6236,
51.5735

■ 32.9604, 32.6236,
51.5735

■ 27.0334, 25.5191,
50.5151

■ 39.8922, 40.9191,
52.8099

■ 22.0618, 19.5473,
49.6245

■ 47.8691, 50.4524,
54.2296

■ 17.9965, 14.6507,
48.8936

■ 56.9330, 61.2729,
55.8404

■ 14.7827, 10.7655,
48.3131

■ 67.1225, 73.4260,
57.6491

■ 12.3601, 7.8210,
47.8724

■ 78.4746, 86.9548,
59.6622

■ 10.6600, 5.7375,
47.5598

■ 85.9697, 96.3679,
61.0840

■ 9.6024, 4.4220,
47.3617

■ 9.0585, 3.7394,
47.2586

■ 9.0262, 3.7008,
47.2528

Harmonies

Analogous

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



30.2092, 32.6236, 52.6710



32.9604, 32.6236, 51.5735



35.3118, 32.6236, 45.8631

Triad

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



32.9604, 32.6236, 51.5735



34.4349, 32.6236, 24.9828



26.0741, 32.6236, 33.2643

Complementary

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



32.9604, 32.6236, 51.5735



43.6388, 47.9172, 36.2281

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.



27.0685, 32.6236, 26.8646



32.9604, 32.6236, 51.5735



31.8202, 32.6236, 22.5685

Square

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



32.9604, 32.6236, 51.5735



36.1975, 32.6236, 30.3196



29.1338, 32.6236, 23.2025



26.3394, 32.6236, 41.2869

Rectangle

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



32.9604, 32.6236, 51.5735



36.2835, 32.6236, 40.6157



29.1338, 32.6236, 23.2025



26.2699, 32.6236, 30.8722

Sweetspot

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



32.9614, 32.6249, 51.5742



75.7453, 78.4256, 95.3469



39.3752, 45.6573, 53.0810



16.4805, 17.0317, 20.9614



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.9614, 32.6249, 51.5742



54.4446, 52.9331, 91.5490



36.1430, 34.0249, 51.6768



9.0372, 9.2667, 11.9846



6.2279, 2.5675, 32.5602



0.2513, 0.1153, 1.2779

Inverse Universe

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



37.2285, 34.9660, 34.4941



63.4610, 57.8985, 55.4539



39.9778, 46.3440, 36.1174



9.5406, 9.5406, 9.9700



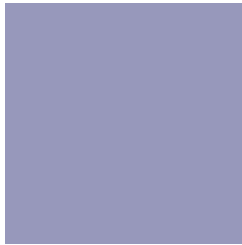
14.1443, 7.2889, 0.7876



0.5578, 0.2870, 0.0504

Previews

White Background



This preview shows how the XYZ color 32.9604, 32.6236, 51.5735 looks on a white background.

Color Contrast Check

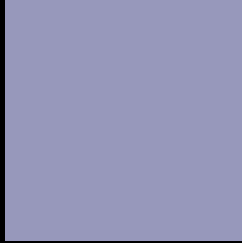
Large Text (above 18pt) WCAG AA × Fail

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 32.9604, 32.6236, 51.5735 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 32.9604, 32.6236, 51.5735

Background



This preview shows how black text looks on a background with the XYZ color 32.9604, 32.6236, 51.5735.



This preview shows how white text looks on a background with the XYZ color 32.9604, 32.6236,

51.5735.

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

32.9604, 32.6236, 51.5735

Protanopia

32.5010, 32.6163, 52.1596

Deuteranopia

33.1731, 32.4934, 51.5371



Tritanopia

30.8218, 32.4729, 41.6892

Trichromacy



Original Color

32.9604, 32.6236, 51.5735

Protanomaly

32.6811, 32.7092, 52.1680

Deuteranomaly

32.9851, 32.3965, 51.5283

Tritanomaly

31.5062, 32.5022, 45.1704

Monochromacy



Original Color

32.9604, 32.6236, 51.5735

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.0228, 33.1027, 41.2609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9604, 32.6236, 51.5735 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(151, 152, 187)` looks like.

```
.text, #text, p{  
    color:rgb(151, 152, 187)  
}
```

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(151, 152, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 152, 187) }
```

Border

The CSS property to change the border of an element to XYZ 32.9604, 32.6236, 51.5735 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(151, 152, 187) }
```


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

```
.border{ border-color:rgb(151, 152, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 152, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 152, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 152, 187);  
box-shadow:4px 4px 4px 4px rgb(151, 152,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9604, 32.6236, 51.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 152, 187) }
```

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

```
.background{ background-color: rgb(151,  
152, 187) }
```

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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