

Converting Colors

XYZ(27.9236, 37.6788, 32.3720)

Have a look what the booklet for
XYZ(27.9236, 37.6788, 32.3720)
contains.

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Color

**XYZ(27.9642, 37.7645,
32.2010)**

Conversions

Conversions Part 1

Format	Color
Hex	71B390
RGB	113, 179, 144
RGB Percent	44%, 70%, 56%
CMY	0.5569, 0.2980, 0.4353
CMYK	0.37, 0.00, 0.20, 0.30
HSL	148°, 30%, 57%
HSV	148°, 37%, 70%
XYZ	27.9642, 37.7645, 32.2010
YIQ	155.2760, -28.1010, -24.8770

Conversions

Conversions Part 2

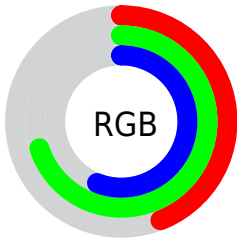
Format	Color
RYB	113, 158, 179
Decimal	7451536
CIELab	67.85, -28.86, 11.31
CIElCh	68, 30.996, 158.592
Yxy	37.7645, 0.2856, 0.3856
Android (android.graphics.Color)	4285641616 (0xFF71B390)
YUV	155.2760, -5.5591, -37.0761
Hunter-Lab	61.4528, -26.3158, 11.9493

Details

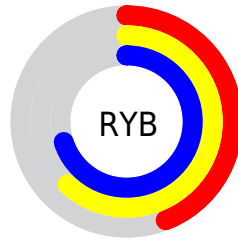
The XYZ color **27.9642, 37.7645, 32.2010** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.8421, 23.5330, 30.9879**, and the grayscale version is **31.3116, 32.9422, 35.8741**.

A 20% lighter version of the original color is **55.8377, 71.7094, 64.3244**, and **11.4057, 16.7220, 13.2162** is the 20% darker color. If you saturate the color by 10%, you get **25.1893, 36.4154, 28.4420**, and if you desaturate by 10%, it is **31.2564, 39.3753, 36.3044**.

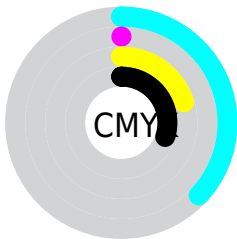
Distribution



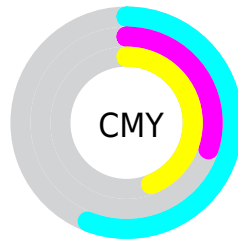
- Red (44%)
- Green (70%)
- Blue (56%)



- Red (44%)
- Yellow (62%)
- Blue (70%)



- Cyan (37%)
- Magenta (0%)
- Yellow (20%)
- Black (30%)



- Cyan (56%)
- Magenta (30%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9642, 37.7645, 32.2010 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 27.9642, 37.7645, 32.2010 by changing the saturation by 10% instead.

■ 27.9642, 37.7645,
32.2010

■ 27.9642, 37.7645,
32.2010

284.3790,
336.6087, 326.5548

■ 18.4390, 25.8000,
21.2490

■ 55.8363, 71.7470,
64.2276

■ 11.3672, 16.6741,
13.1131

■ 74.9139, 94.5338,
86.1393

■ 6.3835, 10.0024,
7.3748

■ 97.9064, 121.6968,
112.5413

■ 3.1225, 5.4005,
3.6156

125.1791,
153.6204, 143.8521

■ 1.2189, 2.4841,
1.4169

157.0973,
190.6890, 180.4904

■ 0.1212, 0.8687,
0.1549

194.0265,

■ 0.0000, 0.0000,

233.2870, 222.8745

0.0000

236.3319,
281.7987, 271.4231

■ 27.9642, 37.7645,
32.2010

■ 27.9642, 37.7645,
32.2010

■ 25.1893, 36.4154,
28.4420

■ 31.2564, 39.3753,
36.3044

■ 22.9003, 35.3088,
25.0157

■ 35.0889, 41.2564,
40.7583

■ 21.0670, 34.4305,
21.9133

■ 39.4870, 43.4218,
45.5720

■ 19.6544, 33.7625,
19.1248

■ 44.4735, 45.8828,
50.7536

■ 18.6218, 33.2841,
16.6395

■ 50.0697, 48.6506,
56.3110

■ 17.9130, 32.9665,
14.4454

■ 56.2961, 51.7354,
62.2517

■ 17.7239, 32.8828,
13.8157

■ 63.1721, 55.1471,
68.5831

■ 70.2717, 58.6659,
75.2915

■ 71.5648, 59.1832,
82.1009

Harmonies

Analogous

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



30.4360, 37.7645, 23.7173



27.9642, 37.7645, 32.2010



27.5149, 37.7645, 45.1986

Triad

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



27.9642, 37.7645, 32.2010



37.2916, 37.7645, 73.2075



43.6070, 37.7645, 26.7290

Complementary

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



27.9642, 37.7645, 32.2010



29.8421, 23.5330, 30.9879

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.



45.8219, 37.7645, 37.2928



27.9642, 37.7645, 32.2010



41.9684, 37.7645, 65.4497

Square

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



27.9642, 37.7645, 32.2010



32.6276, 37.7645, 70.9859



45.1969, 37.7645, 51.5483



39.3715, 37.7645, 21.0832

Rectangle

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



27.9642, 37.7645, 32.2010



28.3804, 37.7645, 55.1202



45.1969, 37.7645, 51.5483



44.6290, 37.7645, 29.7157

Sweetspot

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



27.9652, 37.7661, 32.2019



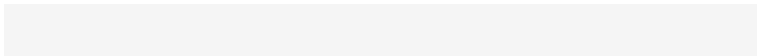
67.1924, 76.0273, 77.8158



31.3509, 39.7487, 21.6432



14.6534, 16.7291, 16.9850



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.9652, 37.7661, 32.2019



46.0948, 65.6936, 52.3194



30.8473, 38.9189, 47.3785



8.5496, 9.5543, 9.8876



12.5564, 23.2485, 9.9328



0.4246, 0.7433, 0.4682

Inverse Universe

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



29.8421, 23.5330, 30.9879



49.9323, 36.5803, 49.8283



27.6027, 22.6372, 19.1952



8.6784, 8.5781, 9.8048



14.6273, 7.3685, 8.4632



0.4894, 0.2435, 0.4199

Previews

White Background



This preview shows how the XYZ color 27.9642, 37.7645, 32.2010 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 27.9642, 37.7645, 32.2010 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 27.9642, 37.7645, 32.2010

Background



This preview shows how black text looks on a background with the XYZ color 27.9642, 37.7645, 32.2010.



This preview shows how white text looks on a background with the XYZ color 27.9642, 37.7645,

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

27.9642, 37.7645, 32.2010

Protanopia

35.2464, 37.3557, 29.0196

Deuteranopia

37.9931, 37.3735, 33.2283



Tritanopia

32.0816, 37.6860, 52.5969

Trichromacy



Original Color

27.9642, 37.7645, 32.2010

Protanomaly

31.8705, 36.9448, 30.2622

Deuteranomaly

33.2008, 36.7499, 32.9473

Tritanomaly

30.2884, 37.5222, 44.1742

Monochromacy



Original Color

27.9642, 37.7645, 32.2010

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.6766, 34.3607, 34.3463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9642, 37.7645, 32.2010 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(113, 179, 144)` looks like.

```
.text, #text, p{  
    color:rgb(113, 179, 144)  
}
```

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(113, 179, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 179, 144) }
```

Border

The CSS property to change the border of an element to XYZ 27.9642, 37.7645, 32.2010 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(113, 179, 144) }
```


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

```
.border{ border-color:rgb(113, 179, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 179, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 179, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 179, 144);  
box-shadow:4px 4px 4px 4px rgb(113, 179,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9642, 37.7645, 32.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 179, 144) }
```

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

```
.background{ background-color: rgb(113,  
179, 144) }
```

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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