

Converting Colors

XYZ(30.3248, 35.0989, 49.9747)

Have a look what the booklet for
XYZ(30.3248, 35.0989, 49.9747)
contains.

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Color

**XYZ(30.3920, 35.1939,
49.9910)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA7B7
RGB	122, 167, 183
RGB Percent	48%, 65%, 72%
CMY	0.5216, 0.3451, 0.2823
CMYK	0.33, 0.09, 0.00, 0.28
HSL	196°, 30%, 60%
HSV	196°, 33%, 72%
XYZ	30.3920, 35.1939, 49.9910
YIQ	155.3690, -31.9560, -4.5640

Conversions

Conversions Part 2

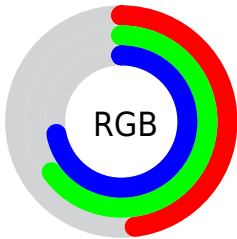
Format	Color
RYB	122, 148, 183
Decimal	8038327
CIELab	65.90, -11.11, -13.09
CIElCh	66, 17.163, 229.678
Yxy	35.1939, 0.2630, 0.3045
Android (android.graphics.Color)	4286228407 (0xFF7AA7B7)
YUV	155.3690, 13.6221, -29.2646
Hunter-Lab	59.3244, -12.3720, -8.4349

Details

The XYZ color **30.3920, 35.1939, 49.9910** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.1303, 29.6498, 22.4428**, and the grayscale version is **31.2717, 32.9002, 35.8284**.

A 20% lighter version of the original color is **59.6058, 67.7047, 91.5881**, and **12.6858, 15.1753, 23.3796** is the 20% darker color. If you saturate the color by 10%, you get **27.1780, 32.2567, 49.5941**, and if you desaturate by 10%, it is **34.1287, 38.4507, 50.4233**.

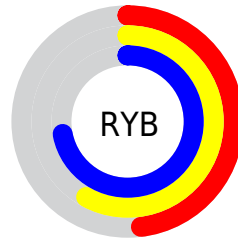
Distribution



Red (48%)

Green (65%)

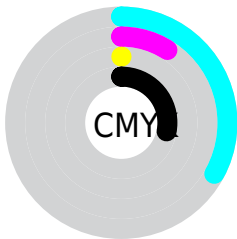
Blue (72%)



Red (48%)

Yellow (58%)

Blue (72%)

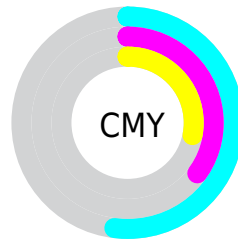


Cyan (33%)

Magenta (9%)

Yellow (0%)

Black (28%)



Cyan (52%)

Magenta (35%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3920, 35.1939, 49.9910 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 30.3920, 35.1939, 49.9910 by changing the saturation by 10% instead.

■ 30.3920, 35.1939,
49.9910

■ 30.3920, 35.1939,
49.9910

295.6045,
325.4234, 403.3648

■ 20.2859, 23.8123,
35.0351

■ 59.6639, 67.7860,
91.5577

■ 12.7125, 15.1944,
23.4062

■ 79.5604, 89.7653,
119.0056

■ 7.3065, 8.9560,
14.6856

■ 103.4511,
116.0460, 151.4546

■ 3.7025, 4.7125,
8.4549

131.7013,
147.0124, 189.3232

■ 1.5353, 2.0796,
4.2954

164.6764,
183.0490, 233.0300

■ 0.3496, 0.6531,
1.7888

202.7418,

■ 0.0000, 0.0000,

224.5400, 282.9935

0.4205

246.2627,
271.8700, 339.6323

■ 0.0000, 0.0000,
0.0000

■ 30.3920, 35.1939,
49.9910

■ 30.3920, 35.1939,
49.9910

■ 27.1780, 32.2567,
49.5941

■ 34.1287, 38.4507,
50.4233

■ 24.4558, 29.6200,
49.2286

■ 38.4105, 42.0367,
50.8898

■ 22.1957, 27.2691,
48.8939

■ 43.2624, 45.9661,
51.3925

■ 20.3638, 25.1857,
48.5884

■ 48.7069, 50.2508,
51.9326

■ 18.9208, 23.3491,
48.3099

■ 54.7652, 54.9024,
52.5111

■ 17.8199, 21.7346,
48.0563

■ 61.4572, 59.9317,
53.1292

■ 17.2121, 20.7484,
47.8980

■ 68.8023, 65.3491,
53.7877

■ 71.7144, 68.5330,
54.2488

■ 72.8831, 70.8705,
54.6383

Harmonies

Analogous

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



29.0639, 35.1939, 43.2205



30.3920, 35.1939, 49.9910



32.5842, 35.1939, 53.7761

Triad

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



30.3920, 35.1939, 49.9910



38.4839, 35.1939, 40.8787



31.8346, 35.1939, 26.6117

Complementary

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



30.3920, 35.1939, 49.9910



32.1303, 29.6498, 22.4428

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.



34.3326, 35.1939, 26.1518



30.3920, 35.1939, 49.9910



38.2582, 35.1939, 33.8050

Square

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



30.3920, 35.1939, 49.9910



37.3101, 35.1939, 48.0914



36.7081, 35.1939, 28.6238



29.8672, 35.1939, 29.9712

Rectangle

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



30.3920, 35.1939, 49.9910



34.2777, 35.1939, 53.8103



36.7081, 35.1939, 28.6238



32.6372, 35.1939, 26.1307

Sweetspot

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



30.3931, 35.1953, 49.9918



71.4313, 77.4473, 91.4197



29.4936, 39.8186, 29.8932



15.5163, 16.8929, 20.1645



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.3931, 35.1953, 49.9918



50.1245, 59.1223, 89.0056



25.5554, 25.5199, 48.3792



9.0620, 9.8012, 11.4936



12.0654, 14.5905, 33.4334



0.4728, 0.6092, 1.1944

Inverse Universe

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



33.4639, 26.7773, 39.9655



56.6093, 42.2299, 67.6344



36.9985, 39.3862, 24.0655



9.2776, 9.1214, 10.8094



16.7037, 8.2553, 16.8586



0.6128, 0.3006, 0.7204

Previews

White Background



This preview shows how the XYZ color 30.3920, 35.1939, 49.9910 looks on a white background.

Color Contrast Check

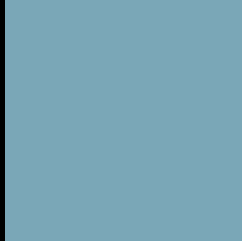
Large Text (above 18pt) WCAG AA × Fail

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 30.3920, 35.1939, 49.9910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

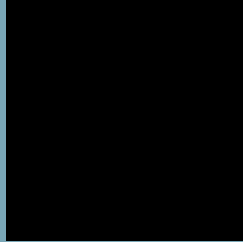
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3920, 35.1939, 49.9910

Background



This preview shows how black text looks on a background with the XYZ color 30.3920, 35.1939, 49.9910.



This preview shows how white text looks on a background with the XYZ color 30.3920, 35.1939,

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

30.3920, 35.1939, 49.9910

Protanopia

34.1674, 34.8362, 47.0427

Deuteranopia

35.7497, 35.0662, 50.7832



Tritanopia

30.0444, 35.0386, 48.8957

Trichromacy



Original Color

30.3920, 35.1939, 49.9910

Protanomaly

32.4847, 34.7143, 48.1684

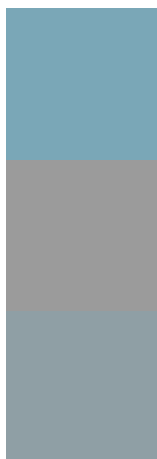
Deuteranomaly

33.4353, 34.8982, 50.3212

Tritanomaly

30.1474, 35.0798, 49.4381

Monochromacy



Original Color

30.3920, 35.1939, 49.9910

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5174, 33.3525, 40.4266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3920, 35.1939, 49.9910 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(122, 167, 183)` looks like.

```
.text, #text, p{  
    color:rgb(122, 167, 183)  
}
```

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(122, 167, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 167, 183) }
```

Border

The CSS property to change the border of an element to XYZ 30.3920, 35.1939, 49.9910 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(122, 167, 183) }
```


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

```
.border{ border-color:rgb(122, 167, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 167, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 167, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 167, 183); box-shadow:4px 4px 4px 4px rgb(122, 167, 183) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3920, 35.1939, 49.9910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 167, 183) }
```

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

```
.background{ background-color: rgb(122,  
167, 183) }
```

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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