

Converting Colors

XYZ(30.7869, 42.1327, 39.9582)

Have a look what the booklet for
XYZ(30.7869, 42.1327, 39.9582)
contains.

XYZ(30.7271, 42.1214, 39.7685)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.7271, 42.1214,
39.7685)**

Conversions

Conversions Part 1

Format	Color
Hex	6CBDA0
RGB	108, 189, 160
RGB Percent	42%, 74%, 63%
CMY	0.5765, 0.2588, 0.3725
CMYK	0.43, 0.00, 0.15, 0.26
HSL	159°, 38%, 58%
HSV	159°, 43%, 74%
XYZ	30.7271, 42.1214, 39.7685
YIQ	161.4750, -38.9670, -26.1910

Conversions

Conversions Part 2

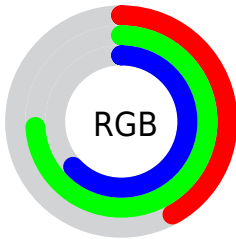
Format	Color
RYB	108, 157, 189
Decimal	7126432
CIELab	70.95, -31.64, 6.96
CIElCh	71, 32.399, 167.597
Yxy	42.1214, 0.2728, 0.3740
Android (android.graphics.Color)	4285316512 (0xFF6CBDA0)
YUV	161.4750, -0.7272, -46.8976
Hunter-Lab	64.9010, -29.0667, 9.1004

Details

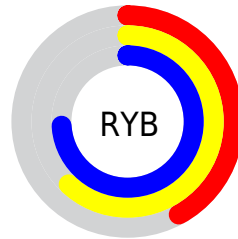
The XYZ color **30.7271, 42.1214, 39.7685** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.8656, 23.3511, 26.5489**, and the grayscale version is **34.1146, 35.8912, 39.0855**.

A 20% lighter version of the original color is **60.3258, 78.6044, 76.2826**, and **12.8925, 19.1890, 17.4923** is the 20% darker color. If you saturate the color by 10%, you get **28.0971, 40.8332, 36.6394**, and if you desaturate by 10%, it is **33.8899, 43.6827, 43.0926**.

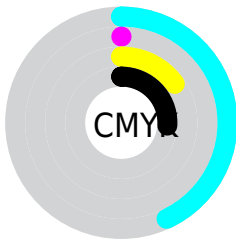
Distribution



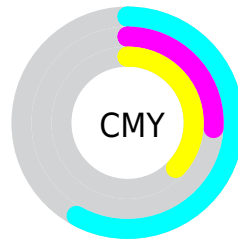
- Red (42%)
- Green (74%)
- Blue (63%)



- Red (42%)
- Yellow (62%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (15%)
- Black (26%)



- Cyan (58%)
- Magenta (26%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7271, 42.1214, 39.7685 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 30.7271, 42.1214, 39.7685 by changing the saturation by 10% instead.

■ 30.7271, 42.1214,
39.7685

■ 30.7271, 42.1214,
39.7685

■ 297.1285,
354.9859, 360.6699

■ 20.5419, 29.1964,
27.0457

■ 60.1889, 78.3833,
76.0441

■ 12.9001, 19.2294,
17.3748

■ 80.1963, 102.4890,
100.4339

■ 7.4363, 11.8362,
10.3373

■ 104.2085,
131.0904, 129.5499

■ 3.7852, 6.6322,
5.5146

■ 132.5908,
164.5718, 163.8105

■ 1.5813, 3.2332,
2.4883

■ 165.7086,
203.3176, 203.6342

■ 0.3802, 1.2546,
0.8339

■ 203.9272,

■ 0.0000, 0.1057,

247.7124, 249.4397

0.0000

247.6121,
298.1403, 301.6454

■ 0.0000, 0.0000,
0.0000

■ 30.7271, 42.1214,
39.7685

■ 30.7271, 42.1214,
39.7685

■ 28.0971, 40.8332,
36.6394

■ 33.8899, 43.6827,
43.0926

■ 25.9634, 39.7962,
33.6981

■ 37.6122, 45.5276,
46.6129

■ 24.2904, 38.9930,
30.9414


■ 41.9229, 47.6719,
50.3341


■ 23.0356, 38.4018,
28.3643


■ 46.8478, 50.1290,
54.2598


■ 22.1484, 37.9968,
25.9616


■ 52.4114, 52.9114,
58.3937

 21.6699, 37.7853,
24.3473

 58.6365, 56.0308,
62.7392

 65.5450, 59.4985,
67.2997

 71.5937, 62.5188,
72.0051

 72.4769, 62.8721,
76.6564

Harmonies

Analogous

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



32.8475, 42.1214, 28.5922



30.7271, 42.1214, 39.7685



30.9317, 42.1214, 55.4525

Triad

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



30.7271, 42.1214, 39.7685



43.2567, 42.1214, 80.4452



47.4524, 42.1214, 27.2241

Complementary

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



30.7271, 42.1214, 39.7685



30.8656, 23.3511, 26.5489

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.



50.7695, 42.1214, 37.4482



30.7271, 42.1214, 39.7685



48.2014, 42.1214, 68.9779

Square

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



30.7271, 42.1214, 39.7685



37.8463, 42.1214, 81.4639



51.0553, 42.1214, 52.5505



42.3067, 42.1214, 22.5209

Rectangle

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



30.7271, 42.1214, 39.7685



32.3596, 42.1214, 66.5011



51.0553, 42.1214, 52.5505



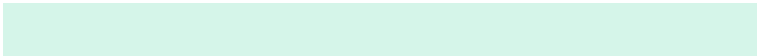
48.8375, 42.1214, 30.0088

Sweetspot

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



30.7283, 42.1231, 39.7695



74.7916, 85.2328, 89.9046



31.3374, 42.8574, 20.8086



15.6981, 18.1370, 19.0104



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.



30.7283, 42.1231, 39.7695



50.7679, 73.3483, 66.1862



31.3312, 38.7843, 53.9809



9.6596, 10.7500, 11.4570



14.6171, 25.4371, 16.5785



0.6027, 1.0085, 0.8082

Inverse Universe

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



30.8656, 23.3511, 26.5489



51.0571, 35.5019, 39.5934



30.2674, 25.0487, 17.4276



9.6675, 9.5913, 10.6381



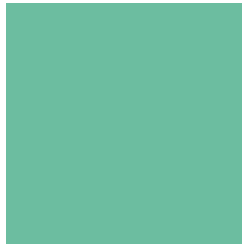
14.8490, 7.5707, 4.4983



0.6133, 0.3092, 0.3426

Previews

White Background



This preview shows how the XYZ color 30.7271, 42.1214, 39.7685 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 30.7271, 42.1214, 39.7685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

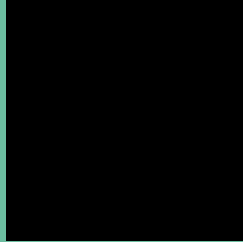
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7271, 42.1214, 39.7685

Background



This preview shows how black text looks on a background with the XYZ color 30.7271, 42.1214, 39.7685.



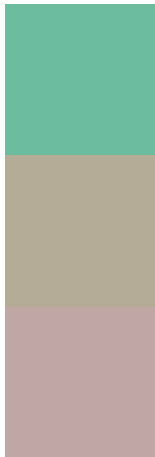
This preview shows how white text looks on a background with the XYZ color 30.7271, 42.1214,

39.7685.

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

30.7271, 42.1214, 39.7685

Protanopia

39.3945, 41.5632, 35.2243

Deuteranopia

42.3485, 41.5605, 41.3873



Tritanopia

34.8047, 42.2097, 59.7390

Trichromacy



Original Color

30.7271, 42.1214, 39.7685

Protanomaly

35.0796, 41.0439, 36.6452

Deuteranomaly

36.6388, 40.8814, 40.6102

Tritanomaly

33.1501, 42.1559, 51.7371

Monochromacy



Original Color

30.7271, 42.1214, 39.7685

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.1513, 37.4498, 39.2522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7271, 42.1214, 39.7685 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(108, 189, 160)` looks like.

```
.text, #text, p{  
    color:rgb(108, 189, 160)  
}
```

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(108, 189, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 189, 160) }
```

Border

The CSS property to change the border of an element to XYZ 30.7271, 42.1214, 39.7685 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(108, 189, 160) }
```


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

```
.border{ border-color:rgb(108, 189, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 189, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 189, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 189, 160);  
box-shadow:4px 4px 4px 4px rgb(108, 189,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7271, 42.1214, 39.7685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 189, 160) }
```

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

```
.background{ background-color: rgb(108,  
189, 160) }
```

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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