

Converting Colors

XYZ(31.9606, 42.8174, 40.6565)

Have a look what the booklet for
XYZ(31.9606, 42.8174, 40.6565)
contains.

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Color

**XYZ(31.9216, 42.7168,
40.7451)**

Conversions

Conversions Part 1

Format	Color
Hex	74BDA2
RGB	116, 189, 162
RGB Percent	45%, 74%, 64%
CMY	0.5451, 0.2588, 0.3647
CMYK	0.39, 0.00, 0.14, 0.26
HSL	158°, 36%, 60%
HSV	158°, 39%, 74%
XYZ	31.9216, 42.7168, 40.7451
YIQ	164.0950, -34.8410, -23.8730

Conversions

Conversions Part 2

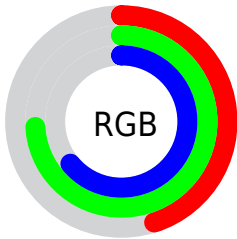
Format	Color
R _Y B	116, 161, 189
Decimal	7650722
CIE Lab	71.36, -29.01, 6.50
CIE LCh	71, 29.730, 167.369
Yxy	42.7168, 0.2767, 0.3702
Android (android.graphics.Color)	4285840802 (0xFF74BDA2)
YUV	164.0950, -1.0328, -42.1793
Hunter-Lab	65.3581, -27.1953, 8.7885

Details

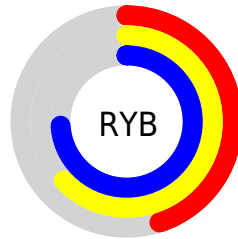
The XYZ color **31.9216, 42.7168, 40.7451** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.1910, 25.2938, 29.1737**, and the grayscale version is **35.3494, 37.1903, 40.5002**.

A 20% lighter version of the original color is **62.2747, 79.5792, 77.7237**, and **13.5283, 19.5105, 17.8047** is the 20% darker color. If you saturate the color by 10%, you get **29.0562, 41.3106, 37.4573**, and if you desaturate by 10%, it is **35.3350, 44.4038, 44.2408**.

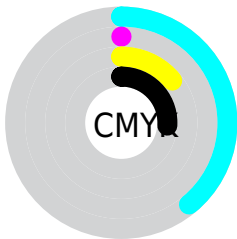
Distribution



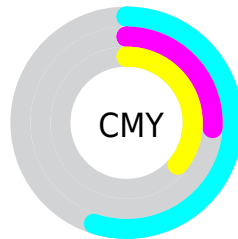
- Red (45%)
- Green (74%)
- Blue (64%)



- Red (45%)
- Yellow (63%)
- Blue (74%)



- Cyan (39%)
- Magenta (0%)
- Yellow (14%)
- Black (26%)



- Cyan (55%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9216, 42.7168, 40.7451 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 31.9216, 42.7168, 40.7451 by changing the saturation by 10% instead.

■ 31.9216, 42.7168,
40.7451

■ 31.9216, 42.7168,
40.7451

302.5136,
357.4458, 364.8992

■ 21.4569, 29.6630,
27.8018

■ 62.0542, 79.2833,
77.5463

■ 13.5727, 19.5829,
17.9385

■ 82.4528, 103.5648,
102.2412

■ 7.9038, 12.0922,
10.7369

■ 106.8933,
132.3577, 131.6903

■ 4.0847, 6.8065,
5.7783

135.7413,
166.0462, 166.3123

■ 1.7502, 3.3414,
2.6441

169.3619,
205.0149, 206.5257

■ 0.4874, 1.3125,
0.9151

208.1206,

■ 0.0000, 0.1508,

249.6482, 252.7489

0.0000

252.3827,
300.3303, 305.4005

■ 0.0000, 0.0000,
0.0000

■ 31.9216, 42.7168,
40.7451

■ 31.9216, 42.7168,
40.7451

■ 29.0562, 41.3106,
37.4573

■ 35.3350, 44.4038,
44.2408

■ 26.7036, 40.1637,
34.3700

■ 39.3221, 46.3813,
47.9456

■ 24.8297, 39.2597,
31.4797


■ 43.9109, 48.6649,
51.8646


■ 23.3948, 38.5782,
28.7813


■ 49.1267, 51.2677,
56.0016


■ 22.3521, 38.0952,
26.2697


■ 54.9934, 54.2016,
60.3604


 21.6245, 37.7709,
23.9378

 61.5333, 57.4784,
64.9447

 21.5338, 37.7309,
23.6303

 68.7679, 61.1089,
69.7580

 72.0839, 62.7149,
74.5869

 73.0180, 63.0886,
79.5057

Harmonies

Analogous

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



33.9289, 42.7168, 30.2409



31.9216, 42.7168, 40.7451



32.0972, 42.7168, 55.2270

Triad

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



31.9216, 42.7168, 40.7451



43.5400, 42.7168, 78.0591



47.4685, 42.7168, 29.0486

Complementary

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



31.9216, 42.7168, 40.7451



32.1910, 25.2938, 29.1737

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.



50.4880, 42.7168, 38.7646



31.9216, 42.7168, 40.7451



48.0952, 42.7168, 67.7688

Square

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



31.9216, 42.7168, 40.7451



38.5343, 42.7168, 78.8943



50.7263, 42.7168, 52.7974



42.7404, 42.7168, 24.4806

Rectangle

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



31.9216, 42.7168, 40.7451



33.4279, 42.7168, 65.3098



50.7263, 42.7168, 52.7974



48.7333, 42.7168, 31.7180

Sweetspot

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



31.9228, 42.7185, 40.7461



75.5828, 85.6319, 90.3374



32.8500, 43.5857, 23.2051



16.0215, 18.2992, 19.2295



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.



31.9228, 42.7185, 40.7461



52.9349, 74.4238, 68.1678



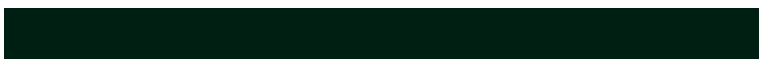
32.8081, 40.2268, 54.1815



9.6548, 10.7480, 11.4316



14.5259, 25.4006, 16.0979



0.5996, 1.0072, 0.7916

Inverse Universe

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



32.1910, 25.2938, 29.1737



53.4885, 38.9811, 44.6696



31.4125, 26.6260, 20.0073



9.6722, 9.5932, 10.6626



14.8962, 7.5896, 4.7470



0.6154, 0.3100, 0.3538

Previews

White Background



This preview shows how the XYZ color 31.9216, 42.7168, 40.7451 looks on a white background.

Color Contrast Check

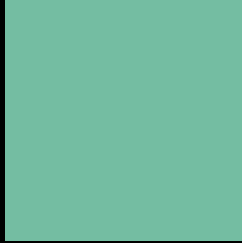
Large Text (above 18pt) WCAG AA × Fail

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 31.9216, 42.7168, 40.7451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

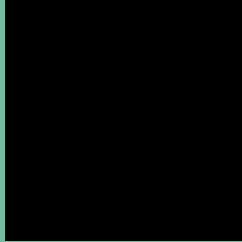
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9216, 42.7168, 40.7451

Background



This preview shows how black text looks on a background with the XYZ color 31.9216, 42.7168, 40.7451.



This preview shows how white text looks on a background with the XYZ color 31.9216, 42.7168,

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

31.9216, 42.7168, 40.7451

Protanopia

40.0677, 42.1653, 36.5988

Deuteranopia

42.8779, 42.0959, 41.9418



Tritanopia

35.9067, 42.7645, 60.3947

Trichromacy



Original Color

31.9216, 42.7168, 40.7451

Protanomaly

36.3065, 41.9436, 38.0807

Deuteranomaly

37.8339, 41.7666, 41.6650

Tritanomaly

34.4479, 42.8006, 52.9001

Monochromacy



Original Color

31.9216, 42.7168, 40.7451

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.5871, 38.7345, 40.3566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9216, 42.7168, 40.7451 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(116, 189, 162)` looks like.

```
.text, #text, p{  
    color:rgb(116, 189, 162)  
}
```

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(116, 189, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 189, 162) }
```

Border

The CSS property to change the border of an element to XYZ 31.9216, 42.7168, 40.7451 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(116, 189, 162) }
```


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

```
.border{ border-color:rgb(116, 189, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 189, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 189, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 189, 162);  
box-shadow:4px 4px 4px 4px rgb(116, 189,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9216, 42.7168, 40.7451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 189, 162) }
```

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

```
.background{ background-color: rgb(116,  
189, 162) }
```

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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