

Converting Colors

XYZ(30.5266, 41.4217, 42.2731)

Have a look what the booklet for
XYZ(30.5266, 41.4217, 42.2731)
contains.

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Color

**XYZ(30.4790, 41.2971,
42.4411)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 69BBA6 |
| RGB | 105, 187, 166 |
| RGB Percent | 41%, 73%, 65% |
| CMY | 0.5882, 0.2667, 0.3490 |
| CMYK | 0.44, 0.00, 0.11, 0.27 |
| HSL | 165°, 38%, 57% |
| HSV | 165°, 44%, 73% |
| XYZ | 30.4790, 41.2971, 42.4411 |
| YIQ | 160.0880, -42.1310, -23.9150 |

Conversions

Conversions Part 2

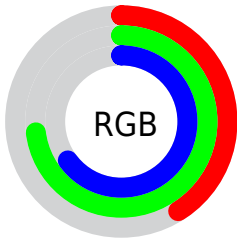
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 105, 152, 187 |
| Decimal | 6929318 |
| CIELab | 70.38, -30.11, 2.84 |
| CIElCh | 70, 30.242, 174.610 |
| Yxy | 41.2971, 0.2669, 0.3616 |
| Android (android.graphics.Color) | 4285119398 (0xFF69BBA6) |
| YUV | 160.0880, 2.9146, -48.3122 |
| Hunter-Lab | 64.2628, -27.7998, 5.8271 |

Details

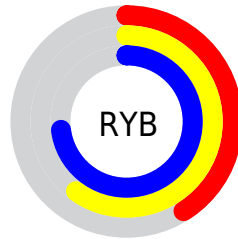
The XYZ color **30.4790, 41.2971, 42.4411** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.3125, 22.1755, 22.4757**, and the grayscale version is **33.4561, 35.1984, 38.3311**.

A 20% lighter version of the original color is **59.8990, 77.3954, 80.1884**, and **12.6914, 18.6429, 18.8491** is the 20% darker color. If you saturate the color by 10%, you get **28.0885, 40.1156, 40.0789**, and if you desaturate by 10%, it is **33.3712, 42.7374, 44.9140**.

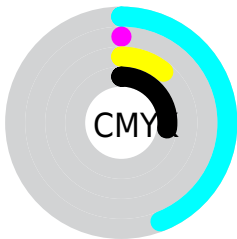
Distribution



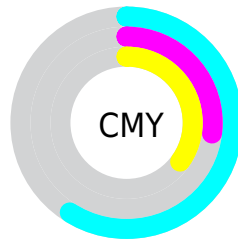
- Red (41%)
- Green (73%)
- Blue (65%)



- Red (41%)
- Yellow (60%)
- Blue (73%)



- Cyan (44%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)



- Cyan (59%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4790, 41.2971, 42.4411 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 30.4790, 41.2971, 42.4411 by changing the saturation by 10% instead.

■ 30.4790, 41.2971,
42.4411

■ 30.4790, 41.2971,
42.4411

296.0008,
351.5608, 372.1617

■ 20.3523, 28.5513,
29.1187

■ 59.8003, 77.1347,
80.1441

■ 12.7612, 18.7417,
18.9243

■ 79.7257, 100.9953,
105.3617

■ 7.3401, 11.4838,
11.4393

■ 103.6479,
129.3296, 135.3815

■ 3.7239, 6.3932,
6.2453

■ 131.9325,
162.5220, 170.6220

■ 1.5472, 3.0856,
2.9236

164.9447,
200.9570, 211.5017

■ 0.3576, 1.1766,
1.0558

203.0499,

■ 0.0000, 0.0425,

245.0188, 258.4392

0.0000

246.6135,
295.0920, 311.8530

■ 0.0000, 0.0000,
0.0000

■ 30.4790, 41.2971,
42.4411

■ 30.4790, 41.2971,
42.4411

■ 28.0885, 40.1156,
40.0789

■ 33.3712, 42.7374,
44.9140

■ 26.1639, 39.1714,
37.8222

■ 36.7908, 44.4467,
47.4970

■ 24.6704, 38.4476,
35.6692


■ 40.7660, 46.4404,
50.1932


■ 23.5665, 37.9228,
33.6171


■ 45.3218, 48.7315,
53.0047


■ 22.8023, 37.5713,
31.6625


■ 50.4817, 51.3320,
55.9335

 22.4391, 37.4093,
30.5055

 56.2681, 54.2536,
58.9813

 62.7020, 57.5069,
62.1501

 69.8034, 61.1023,
65.4417

 70.5330, 61.4108,
68.5273

Harmonies

Analogous

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



31.9596, 41.2971, 30.8945



30.4790, 41.2971, 42.4411



31.1825, 41.2971, 57.3637

Triad

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



30.4790, 41.2971, 42.4411



43.3707, 41.2971, 74.7487



45.0553, 41.2971, 26.1281

Complementary

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



30.4790, 41.2971, 42.4411



29.3125, 22.1755, 22.4757

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.



48.6050, 41.2971, 34.4964



30.4790, 41.2971, 42.4411



47.5762, 41.2971, 62.7675

Square

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



30.4790, 41.2971, 42.4411



38.3600, 41.2971, 78.1196



49.5642, 41.2971, 47.5881



40.1570, 41.2971, 22.8369

Rectangle

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



30.4790, 41.2971, 42.4411



32.8290, 41.2971, 67.0748



49.5642, 41.2971, 47.5881



46.4617, 41.2971, 28.3422

Sweetspot

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



30.4802, 41.2988, 42.4421



73.4989, 83.4174, 90.2080



29.0540, 41.0641, 19.7603



15.8147, 18.1836, 19.6245



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.



30.4802, 41.2988, 42.4421



50.3015, 71.8426, 71.7753



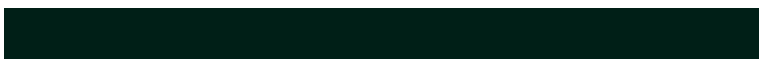
28.7747, 34.5487, 52.1676



9.7014, 10.7667, 11.6768



15.4906, 25.7865, 21.1783



0.6319, 1.0201, 0.9618

Inverse Universe

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



29.3125, 22.1755, 22.4757



47.9513, 33.0225, 31.3442



30.2691, 26.0347, 16.7953



9.6278, 9.5754, 10.4288



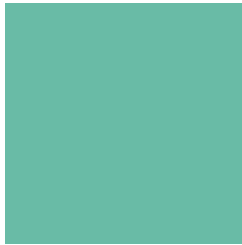
14.5117, 7.4358, 2.7221



0.5960, 0.3023, 0.2520

Previews

White Background



This preview shows how the XYZ color 30.4790, 41.2971, 42.4411 looks on a white background.

Color Contrast Check

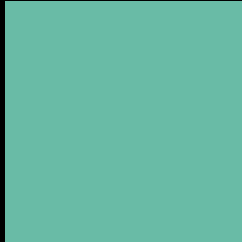
Large Text (above 18pt) WCAG AA × Fail

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 30.4790, 41.2971, 42.4411 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

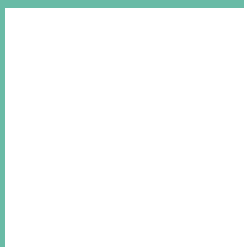
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4790, 41.2971, 42.4411

Background



This preview shows how black text looks on a background with the XYZ color 30.4790, 41.2971, 42.4411.

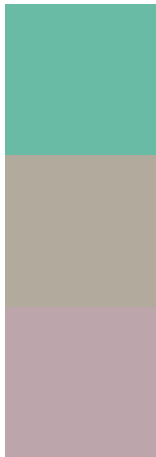


This preview shows how white text looks on a background with the XYZ color 30.4790, 41.2971,

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

30.4790, 41.2971, 42.4411

Protanopia

39.0088, 41.0251, 37.7609

Deuteranopia

41.7259, 40.9041, 44.2242



Tritanopia

33.8216, 41.4089, 59.0335

Trichromacy



Original Color

30.4790, 41.2971, 42.4411

Protanomaly

34.8298, 40.5617, 39.2512

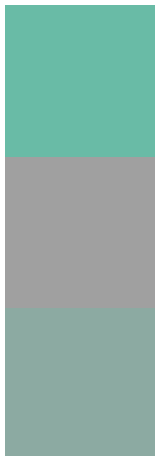
Deuteranomaly

36.3980, 40.4058, 43.4168

Tritanomaly

32.4338, 41.1411, 52.6860

Monochromacy



Original Color

30.4790, 41.2971, 42.4411

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.7115, 36.9335, 39.6399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4790, 41.2971, 42.4411 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(105, 187, 166)` looks like.

```
.text, #text, p{  
    color:rgb(105, 187, 166)  
}
```

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(105, 187, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 187, 166) }
```

Border

The CSS property to change the border of an element to XYZ 30.4790, 41.2971, 42.4411 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(105, 187, 166) }
```


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

```
.border{ border-color:rgb(105, 187, 166) }
```

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

Here you see how a box with a 4 pixel rgb(105, 187, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 187, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 187, 166);  
box-shadow:4px 4px 4px 4px rgb(105, 187,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4790, 41.2971, 42.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 187, 166) }
```

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

```
.background{ background-color: rgb(105,  
187, 166) }
```

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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