

Converting Colors

XYZ(30.4079, 42.5796, 40.7984)

Have a look what the booklet for
XYZ(30.4079, 42.5796, 40.7984)
contains.

XYZ(30.4079, 42.5796, 40.7984)	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(30.4079, 42.5796,
40.7984)**

Conversions

Conversions Part 1

Format	Color
Hex	64BFA2
RGB	100, 191, 162
RGB Percent	39%, 75%, 64%
CMY	0.6078, 0.2510, 0.3647
CMYK	0.48, 0.00, 0.15, 0.25
HSL	161°, 42%, 57%
HSV	161°, 48%, 75%
XYZ	30.4079, 42.5796, 40.7984
YIQ	160.4850, -44.9270, -28.3110

Conversions

Conversions Part 2

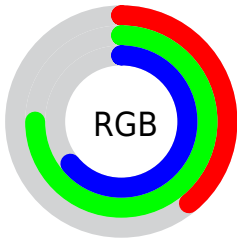
Format	Color
RYB	100, 154, 191
Decimal	6602658
CIELab	71.27, -34.19, 6.28
CIElCh	71, 34.761, 169.597
Yxy	42.5796, 0.2672, 0.3742
Android (android.graphics.Color)	4284792738 (0xFF64BFA2)
YUV	160.4850, 0.7469, -53.0453
Hunter-Lab	65.2530, -31.0119, 8.6070

Details

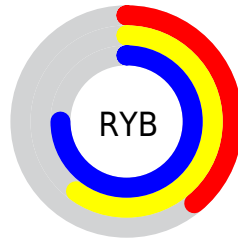
The XYZ color **30.4079, 42.5796, 40.7984** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.0069, 21.7767, 23.3922**, and the grayscale version is **33.6500, 35.4025, 38.5533**.

A 20% lighter version of the original color is **59.8021, 79.2125, 77.7833**, and **12.7150, 19.5094, 17.8474** is the 20% darker color. If you saturate the color by 10%, you get **28.0100, 41.4056, 37.9302**, and if you desaturate by 10%, it is **33.3296, 44.0228, 43.8297**.

Distribution



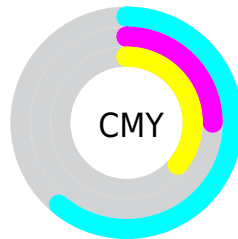
- Red (39%)
- Green (75%)
- Blue (64%)



- Red (39%)
- Yellow (60%)
- Blue (75%)



- Cyan (48%)
- Magenta (0%)
- Yellow (15%)
- Black (25%)





- Cyan (61%)
- Magenta (25%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4079, 42.5796, 40.7984 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 30.4079, 42.5796, 40.7984 by changing the saturation by 10% instead.


 30.4079, 42.5796,
40.7984


 30.4079, 42.5796,
40.7984


295.6770,
356.8800, 365.1290


 20.2980, 29.5554,
27.8431


 59.6889, 79.0761,
77.6281


 12.7214, 19.5014,
17.9694


 79.5906, 103.3171,
102.3396

 7.3126, 12.0331,
10.7588


 103.4871,
132.0660, 131.8068

 3.7064, 6.7662,
5.7928

 131.7436,
165.7069, 166.4484

 1.5374, 3.3163,
2.6527

164.7255,
204.6244, 206.6829

 0.3511, 1.2990,
0.9195

202.7981,

 0.0000, 0.1405,

249.2028, 252.9288

0.0000

246.3268,
299.8266, 305.6046

■ 0.0000, 0.0000,
0.0000

■ 30.4079, 42.5796,
40.7984

■ 30.4079, 42.5796,
40.7984

■ 28.0100, 41.4056,
37.9302

■ 33.3296, 44.0228,
43.8297

■ 26.0969, 40.4773,
35.2186

■ 36.8036, 45.7466,
47.0247

■ 24.6295, 39.7760,
32.6607


■ 40.8606, 47.7678,
50.3873


■ 23.5612, 39.2774,
30.2525


■ 45.5278, 50.1005,
53.9208


■ 22.8231, 38.9463,
27.9885


■ 50.8308, 52.7577,
57.6281

 22.6696, 38.8784,
27.4746

 56.7936, 55.7519,
61.5121

 63.4391, 59.0948,
65.5755

 70.7890, 62.7974,
69.8210

 72.3683, 63.5218,
73.9472

Harmonies

Analogous

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



32.5139, 42.5796, 28.4979



30.4079, 42.5796, 40.7984



30.7942, 42.5796, 57.9960

Triad

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



30.4079, 42.5796, 40.7984



44.3516, 42.5796, 83.6998



48.1871, 42.5796, 25.9452

Complementary

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



30.4079, 42.5796, 40.7984



30.0069, 21.7767, 23.3922

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.



51.9874, 42.5796, 36.3981



30.4079, 42.5796, 40.7984



49.6299, 42.5796, 70.4634

Square

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



30.4079, 42.5796, 40.7984



38.4783, 42.5796, 85.6919



52.5394, 42.5796, 52.4096



42.5306, 42.5796, 21.3950

Rectangle

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



30.4079, 42.5796, 40.7984



32.4262, 42.5796, 70.0067



52.5394, 42.5796, 52.4096



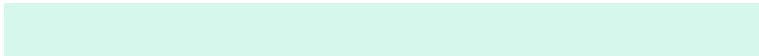
49.7462, 42.5796, 28.7490

Sweetspot

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



30.4091, 42.5813, 40.7994



75.9136, 86.9146, 92.3712



30.1895, 42.9558, 18.7573



16.2832, 18.8925, 19.9842



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



30.4091, 42.5813, 40.7994



50.0648, 74.1061, 67.8013



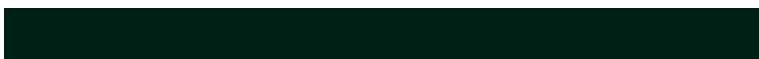
30.1535, 37.4579, 54.9331



9.6757, 10.7564, 11.5415



14.9355, 25.5645, 18.2548



0.6136, 1.0128, 0.8652

Inverse Universe

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



30.0069, 21.7767, 23.3922



49.2824, 32.4643, 33.0722



29.9372, 24.2971, 15.1691



9.6521, 9.5851, 10.5570



14.7043, 7.5129, 3.7366



0.6065, 0.3065, 0.3072

Previews

White Background



This preview shows how the XYZ color 30.4079, 42.5796, 40.7984 looks on a white background.

Color Contrast Check

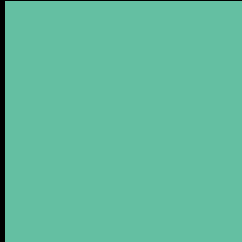
Large Text (above 18pt) WCAG AA × Fail

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 30.4079, 42.5796, 40.7984 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

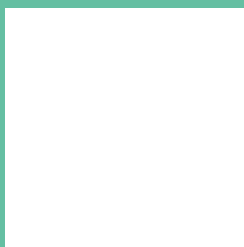
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4079, 42.5796, 40.7984

Background



This preview shows how black text looks on a background with the XYZ color 30.4079, 42.5796, 40.7984.

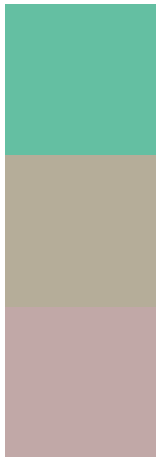


This preview shows how white text looks on a background with the XYZ color 30.4079, 42.5796,

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

30.4079, 42.5796, 40.7984

Protanopia

39.7494, 42.0108, 36.1509

Deuteranopia

42.9700, 42.1327, 42.4269



Tritanopia

34.6571, 42.7144, 61.6764

Trichromacy



Original Color

30.4079, 42.5796, 40.7984

Protanomaly

35.2709, 41.7182, 37.6459

Deuteranomaly

36.6149, 41.1382, 41.6080

Tritanomaly

33.0163, 42.6801, 53.5117

Monochromacy



Original Color

30.4079, 42.5796, 40.7984

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.4772, 37.1023, 39.2207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4079, 42.5796, 40.7984 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(100, 191, 162)` looks like.

```
.text, #text, p{  
    color:rgb(100, 191, 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(100, 191, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 191, 162) }
```

Border

The CSS property to change the border of an element to XYZ 30.4079, 42.5796, 40.7984 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(100, 191, 162) }
```


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

```
.border{ border-color:rgb(100, 191, 162) }
```

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

Here you see how a box with a 4 pixel rgb(100, 191, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 191, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 191, 162);  
box-shadow:4px 4px 4px 4px rgb(100, 191,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4079, 42.5796, 40.7984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 191, 162) }
```

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

```
.background{ background-color: rgb(100,  
191, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor