

Converting Colors

XYZ(29.5121, 40.8994, 51.5338)

Have a look what the booklet for
XYZ(29.5121, 40.8994, 51.5338)
contains.

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Color

**XYZ(29.5366, 40.9230,
51.6896)**

Conversions

Conversions Part 1

Format	Color
Hex	4BBCB8
RGB	75, 188, 184
RGB Percent	29%, 74%, 72%
CMY	0.7059, 0.2627, 0.2784
CMYK	0.60, 0.00, 0.02, 0.26
HSL	178°, 46%, 52%
HSV	178°, 60%, 74%
XYZ	29.5366, 40.9230, 51.6896
YIQ	153.7570, -66.0640, -25.2000

Conversions

Conversions Part 2

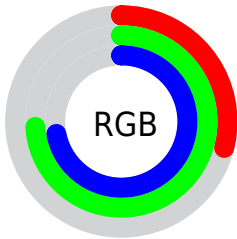
Format	Color
RYB	75, 133, 188
Decimal	4963512
CIELab	70.12, -32.54, -7.53
CIELCh	70, 33.405, 193.032
Yxy	40.9230, 0.2418, 0.3350
Android (android.graphics.Color)	4283153592 (0xFF4BBCB8)
YUV	153.7570, 14.9098, -69.0699
Hunter-Lab	63.9711, -29.5327, -3.1275

Details

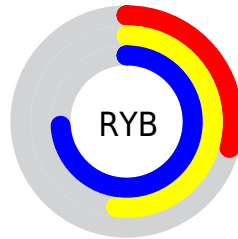
The XYZ color **29.5366, 40.9230, 51.6896** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.6678, 16.2893, 9.2425**, and the grayscale version is **30.5674, 32.1593, 35.0214**.

A 20% lighter version of the original color is **58.3723, 76.7470, 94.1752**, and **12.6218, 18.6889, 24.4148** is the 20% darker color. If you saturate the color by 10%, you get **28.2085, 40.2473, 51.2648**, and if you desaturate by 10%, it is **31.3019, 41.8259, 52.1384**.

Distribution



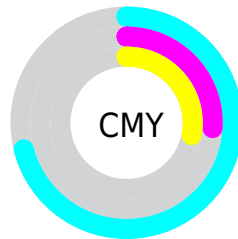
- Red (29%)
- Green (74%)
- Blue (72%)



- Red (29%)
- Yellow (52%)
- Blue (74%)



- Cyan (60%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)



- Cyan (71%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5366, 40.9230, 51.6896 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 29.5366, 40.9230, 51.6896 by changing the saturation by 10% instead.

■ 29.5366, 40.9230,
51.6896

■ 29.5366, 40.9230,
51.6896

291.6872,
349.9987, 410.1599

■ 19.6334, 28.2589,
36.3772

■ 58.3202, 76.5670,
94.0952

■ 12.2356, 18.5209,
24.4336

■ 77.9314, 100.3157,
122.0255

■ 6.9777, 11.3246,
15.4404

■ 101.5093,
128.5281, 154.9988

■ 3.4943, 6.2856,
8.9790

■ 129.4193,
161.5885, 193.4337

■ 1.4203, 3.0195,
4.6309

162.0268,
199.8814, 237.7487

■ 0.2706, 1.1419,
1.9774

199.6970,

■ 0.0000, 0.0135,

243.7911, 288.3624

0.5414

242.7953,
293.7021, 345.6933

■ 0.0000, 0.0000,
0.0000

■ 29.5366, 40.9230,
51.6896

■ 29.5366, 40.9230,
51.6896

■ 28.2085, 40.2473,
51.2648

■ 31.3019, 41.8259,
52.1384

■ 27.2743, 39.7737,
50.8593

■ 33.5355, 42.9692,
52.6098

■ 26.6887, 39.4798,
50.4718

■ 36.2698, 44.3707,
53.1064

■ 26.3598, 39.3181,
50.1018

■ 39.5334, 46.0449,
53.6296

■ 43.3526, 48.0055,
54.1804

■ 47.7521, 50.2653,
54.7601

■ 52.7551, 52.8361,
55.3698

■ 58.3835, 55.7293,
56.0105

■ 64.6579, 58.9555,
56.6832

Harmonies

Analogous

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



29.6922, 40.9230, 36.3456



29.5366, 40.9230, 51.6896



31.7143, 40.9230, 68.3923

Triad

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



29.5366, 40.9230, 51.6896



46.5109, 40.9230, 70.3537



42.0417, 40.9230, 21.5397

Complementary

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



29.5366, 40.9230, 51.6896



24.6678, 16.2893, 9.2425

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.



47.0877, 40.9230, 27.0254



29.5366, 40.9230, 51.6896



49.8289, 40.9230, 53.9232

Square

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



29.5366, 40.9230, 51.6896



41.3124, 40.9230, 80.7473



50.0493, 40.9230, 38.1149



36.5759, 40.9230, 21.2122

Rectangle

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



29.5366, 40.9230, 51.6896



34.3259, 40.9230, 77.0946



50.0493, 40.9230, 38.1149



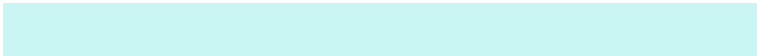
43.8549, 40.9230, 22.7703

Sweetspot

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



29.5378, 40.9246, 51.6906



72.8223, 84.0504, 97.3690



22.6179, 38.2100, 12.8408



15.2559, 17.8672, 20.8777



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.



29.5378, 40.9246, 51.6906



50.5287, 72.6384, 92.6769



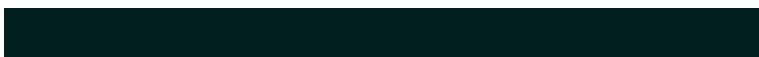
20.9471, 23.0622, 50.9261



9.7936, 10.8036, 12.1625



17.9526, 26.7713, 34.1426



0.7078, 1.0505, 1.3616

Inverse Universe

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



24.6678, 16.2893, 9.2425



40.9493, 24.0820, 9.1083



29.4522, 26.0843, 10.1401



9.5435, 9.5417, 9.9850



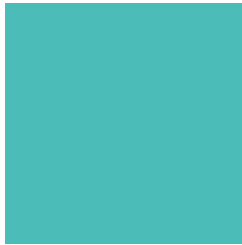
14.1509, 7.2915, 0.8223



0.5590, 0.2875, 0.0571

Previews

White Background



This preview shows how the XYZ color 29.5366, 40.9230, 51.6896 looks on a white background.

Color Contrast Check

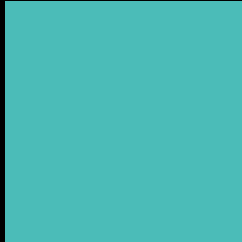
Large Text (above 18pt) WCAG AA × Fail

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 29.5366, 40.9230, 51.6896 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

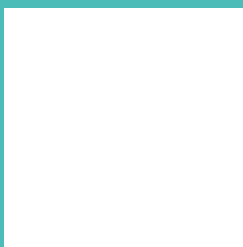
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5366, 40.9230, 51.6896

Background



This preview shows how black text looks on a background with the XYZ color 29.5366, 40.9230, 51.6896.

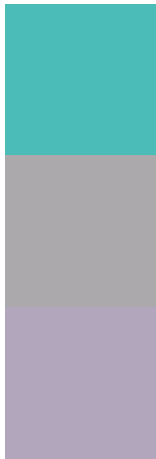


This preview shows how white text looks on a background with the XYZ color 29.5366, 40.9230,

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

29.5366, 40.9230, 51.6896

Protanopia

38.7440, 40.1637, 45.2455

Deuteranopia

41.1816, 40.4115, 53.7738



Tritanopia

31.3713, 40.7088, 61.4625

Trichromacy



Original Color

29.5366, 40.9230, 51.6896



Protanomaly

33.7777, 39.5434, 47.4473



Deuteranomaly

35.0902, 39.5227, 52.7929



Tritanomaly

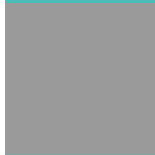
30.6337, 40.7202, 57.8750

Monochromacy



Original Color

29.5366, 40.9230, 51.6896



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.8852, 34.3490, 40.7049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5366, 40.9230, 51.6896 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(75, 188, 184)` looks like.

```
.text, #text, p{  
    color:rgb(75, 188, 184)  
}
```

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(75, 188, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 188, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.5366, 40.9230, 51.6896 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(75, 188, 184) }
```


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

```
.border{ border-color:rgb(75, 188, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 188, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 188, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 188, 184);  
box-shadow:4px 4px 4px 4px rgb(75, 188,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5366, 40.9230, 51.6896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 188, 184) }
```

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

```
.background{ background-color: rgb(75, 188,  
184) }
```

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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