

Converting Colors

XYZ(30.1629, 41.4876, 55.1331)

Have a look what the booklet for
XYZ(30.1629, 41.4876, 55.1331)
contains.

XYZ(30.1643, 41.4906, 55.1339)	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(30.1643, 41.4906,
55.1339)**

Conversions

Conversions Part 1

Format	Color
Hex	48BDBE
RGB	72, 189, 190
RGB Percent	28%, 74%, 75%
CMY	0.7176, 0.2588, 0.2549
CMYK	0.62, 0.01, 0.00, 0.25
HSL	181°, 48%, 51%
HSV	181°, 62%, 75%
XYZ	30.1643, 41.4906, 55.1339
YIQ	154.1310, -70.0530, -24.4930

Conversions

Conversions Part 2

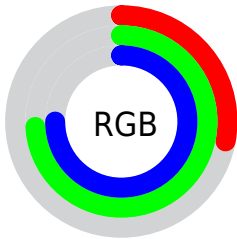
Format	Color
RYB	72, 131, 190
Decimal	4767166
CIELab	70.52, -31.87, -10.24
CIElCh	71, 33.476, 197.813
Yxy	41.4906, 0.2379, 0.3272
Android (android.graphics.Color)	4282957246 (0xFF48BDBE)
YUV	154.1310, 17.6834, -72.0289
Hunter-Lab	64.4132, -29.1327, -5.6595

Details

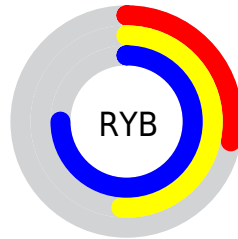
The XYZ color **30.1643, 41.4906, 55.1339** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.7882, 16.1809, 7.9486**, and the grayscale version is **30.7207, 32.3206, 35.1971**.

A 20% lighter version of the original color is **59.4218, 77.6337, 99.0417**, and **13.1793, 19.1341, 26.6655** is the 20% darker color. If you saturate the color by 10%, you get **28.9266, 40.8021, 55.0670**, and if you desaturate by 10%, it is **31.8422, 42.4079, 55.2233**.

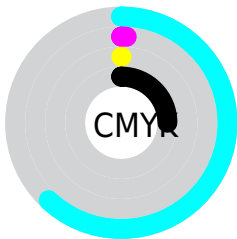
Distribution



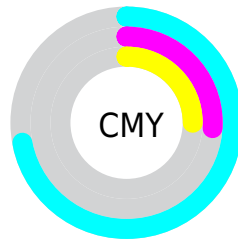
- Red (28%)
- Green (74%)
- Blue (75%)



- Red (28%)
- Yellow (51%)
- Blue (75%)



- Cyan (62%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)




- Cyan (72%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1643, 41.4906, 55.1339 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 30.1643, 41.4906, 55.1339 by changing the saturation by 10% instead.


 30.1643, 41.4906,
55.1339


 30.1643, 41.4906,
55.1339


294.5656,
352.3669, 423.7155


 20.1120, 28.7026,
39.1096

 59.3068, 77.4281,
99.2102


 12.5852, 18.8560,
26.5365


 79.1276, 101.3464,
128.0994

 7.2186, 11.5663,
16.9961


 102.9355,
129.7436, 162.1138

 3.6467, 6.4491,
10.0698

 131.0955,
163.0041, 201.6722

 1.5043, 3.1200,
5.3390

163.9732,
201.5123, 247.1930

 0.3287, 1.1947,
2.3853

201.9339,

 0.0000, 0.0574,

245.6525, 299.0948

0.7784

245.3429,
295.8093, 357.7962

■ 0.0000, 0.0000,
0.0000

■ 30.1643, 41.4906,
55.1339

■ 30.1643, 41.4906,
55.1339

■ 28.9266, 40.8021,
55.0670

■ 31.8422, 42.4079,
55.2233

■ 28.0834, 40.3162,
55.0176

■ 33.9930, 43.5681,
55.3339

■ 27.5862, 40.0087,
54.9845

■ 36.6507, 44.9897,
55.4682

■ 27.3619, 39.8527,
54.9662

■ 39.8451, 46.6880,
55.6276

■ 43.6037, 48.6772,
55.8135

■ 47.9521, 50.9705,
56.0269

■ 52.9143, 53.5804,
56.2691

■ 58.5131, 56.5184,
56.5412

■ 64.7699, 59.7957,
56.8440

Harmonies

Analogous

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



29.9392, 41.4906, 39.0551



30.1643, 41.4906, 55.1339



32.7251, 41.4906, 71.6672

Triad

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



30.1643, 41.4906, 55.1339



47.8395, 41.4906, 68.8338



41.7201, 41.4906, 21.4915

Complementary

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



30.1643, 41.4906, 55.1339



24.7882, 16.1809, 7.9486

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.



47.0059, 41.4906, 26.1799



30.1643, 41.4906, 55.1339



50.7536, 41.4906, 51.9056

Square

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



30.1643, 41.4906, 55.1339



42.7744, 41.4906, 80.7599



50.4350, 41.4906, 36.4960



36.2752, 41.4906, 21.9659

Rectangle

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



30.1643, 41.4906, 55.1339



35.5596, 41.4906, 79.5963



50.4350, 41.4906, 36.4960



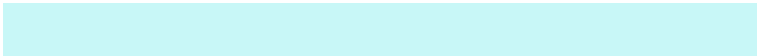
43.5834, 41.4906, 22.4604

Sweetspot

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



30.1656, 41.4922, 55.1349



74.0027, 85.5575, 100.8930



22.2565, 38.6734, 12.4235



15.8412, 18.5708, 22.1349



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.



30.1656, 41.4922, 55.1349



51.7080, 73.5339, 99.7473



20.0841, 21.3292, 51.7744



9.8015, 10.7953, 12.2393



18.1970, 26.5056, 36.5499



0.7150, 1.0427, 1.4324

Inverse Universe

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



32.7389, 19.2570, 50.1373



56.7960, 29.9058, 89.7910



30.5222, 27.6488, 9.8599



9.9264, 9.6949, 12.0015



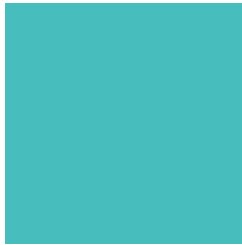
20.1858, 9.7055, 32.6014



0.7918, 0.3806, 1.2830

Previews

White Background



This preview shows how the XYZ color 30.1643, 41.4906, 55.1339 looks on a white background.

Color Contrast Check

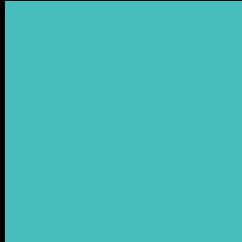
Large Text (above 18pt) WCAG AA × Fail

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 30.1643, 41.4906, 55.1339 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

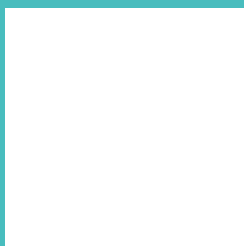
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1643, 41.4906, 55.1339

Background



This preview shows how black text looks on a background with the XYZ color 30.1643, 41.4906, 55.1339.

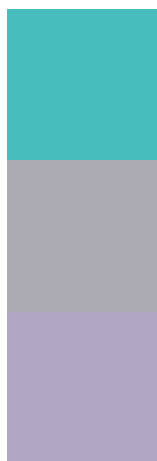


This preview shows how white text looks on a background with the XYZ color 30.1643, 41.4906,

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

30.1643, 41.4906, 55.1339

Protanopia

39.5247, 40.7748, 48.4350

Deuteranopia

41.8005, 40.9247, 57.3259



Tritanopia

31.5729, 41.4246, 62.2088

Trichromacy



Original Color

30.1643, 41.4906, 55.1339



Protanomaly

34.4227, 40.0974, 50.7251



Deuteranomaly

35.6031, 39.9992, 56.2962



Tritanomaly

31.1568, 41.5802, 59.8097

Monochromacy



Original Color

30.1643, 41.4906, 55.1339



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.1059, 34.7125, 41.7254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1643, 41.4906, 55.1339 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(72, 189, 190)` looks like.

```
.text, #text, p{  
    color:rgb(72, 189, 190)  
}
```

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(72, 189, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 189, 190) }
```

Border

The CSS property to change the border of an element to XYZ 30.1643, 41.4906, 55.1339 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(72, 189, 190) }
```


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

```
.border{ border-color:rgb(72, 189, 190) }
```

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

Here you see how a box with a 4 pixel rgb(72, 189, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 189, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 189, 190);  
box-shadow:4px 4px 4px 4px rgb(72, 189,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1643, 41.4906, 55.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 189, 190) }
```

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

```
.background{ background-color: rgb(72, 189,  
190) }
```

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