Converting Colors

XYZ(30.5596, 41.8155, 64.2182)

Have a look what the booklet for XYZ(30.5596, 41.8155, 64.2182) contains.

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Color

XYZ(30.5596, 41.8155, 64.2182)

Conversions

Conversions Part 1

Format	Color
Hex	2EBECD
RGB	46, 190, 205
RGB Percent	18%, 75%, 80%
CMY	0.8196, 0.2549, 0.1961
CMYK	0.78, 0.07, 0.00, 0.20
HSL	186°, 63%, 49%
HSV	186°, 78%, 80%
XYZ	30.5596, 41.8155, 64.2182
YIQ	148.6540, -90.6390, -25.8630

Conversions

Conversions Part 2

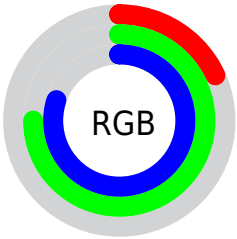
Format	Color
RYB	46, 122, 205
Decimal	3063501
CIELab	70.74, -31.36, -18.17
CIELCh	71, 36.240, 210.085
Yxy	41.8155, 0.2237, 0.3061
Android (android.graphics.Color)	4281253581 (0xFF2EBECD)
YUV	148.6540, 27.7786, -90.0276
Hunter-Lab	64.6649, -28.8073, -13.6150

Details

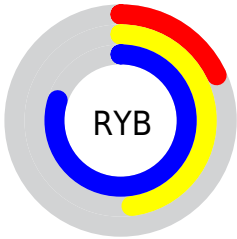
The XYZ color 30.5596, 41.8155, 64.2182 is a dark color, and the websafe version is hex 33CCCC. The color can be described as middle muted azure. A complement of this color would be 27.3399, 16.5154, 4.3329, and the grayscale version is 28.3382, 29.8140, 32.4675.

A 20% lighter version of the original color is 58.9185, 77.6635, 106.4930, and 14.3901, 19.8427, 32.3497 is the 20% darker color. If you saturate the color by 10%, you get 29.4312, 40.6169, 64.0471, and if you desaturate by 10%, it is 32.1368, 43.2554, 64.4138.

Distribution

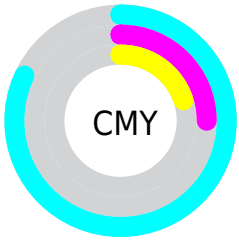


- Red (18%)
- Green (75%)
- Blue (80%)



- Red (18%)
- Yellow (48%)
- Blue (80%)

- Cyan (78%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (82%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5596, 41.8155, 64.2182 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 30.5596, 41.8155, 64.2182 by changing the saturation by 10% instead.

30.5596, 41.8155, 64.2182

30.5596, 41.8155, 64.2182

296.3675, 353.7175, 458.2062

20.4139, 28.9569, 46.3801

59.9266, 77.9203, 112.5276

12.8063, 19.0482, 32.1951

79.8786, 101.9353, 143.8360

7.3714, 11.7051, 21.2445

103.8301, 130.4378, 180.4716

3.7438, 6.5432, 13.1098

132.1465, 163.8123, 222.8529

1.5582, 3.1781, 7.3726

165.1931, 202.4431, 271.3985

0.3650, 1.2254, 3.6142

203.3352,

0.0000, 0.0823,

246.7146, 326.5269

246.9382, 297.0113, 388.6566

1.4162

0.0000, 0.0000, 0.1543

0.0000, 0.0000, 0.0000

30.5596, 41.8155, 64.2182

29.4312, 40.6169, 64.0471

28.6697, 39.6148, 63.8938

28.5074, 39.3834, 63.8577

30.5596, 41.8155, 64.2182

32.1368, 43.2554, 64.4138

34.2143, 44.9607, 64.6334

36.8407, 46.9572, 64.8804

40.0580, 49.2667, 65.1566

43.9039, 51.9087, 65.4638

48.4129, 54.9009, 65.8037

53.6172, 58.2599, 66.1778

59.5467, 62.0013, 66.5875

66.2297, 66.1396, 67.0340

Harmonies

Analogous

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

29.2715, 41.8155, 45.5788

30.5596, 41.8155, 64.2182

34.2548, 41.8155, 80.6654

Triad

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

30.5596, 41.8155, 64.2182

50.6266, 41.8155, 64.1119

39.7273, 41.8155, 19.8043

Complementary

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

30.5596, 41.8155, 64.2182

27.3399, 16.5154, 4.3329

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.

45.7912, 41.8155, 22.4454

30.5596, 41.8155, 64.2182

52.4576, 41.8155, 45.4812

Square

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

30.5596, 41.8155, 64.2182

45.8236, 41.8155, 80.5939

50.6066, 41.8155, 30.8724

34.2281, 41.8155, 22.4759

Rectangle

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

30.5596, 41.8155, 64.2182

37.7874, 41.8155, 86.5353

50.6066, 41.8155, 30.8724

41.7678, 41.8155, 20.0895

Sweetspot

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

30.5609, 41.8170, 64.2192

74.9263, 87.0432, 107.4597

23.7551, 44.5629, 11.5228

15.4813, 18.2588, 22.9583

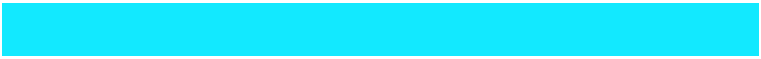
0.0000, 0.0000, 0.0000

20.3446, 21.4041, 23.3091

Same Dimension

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

30.5609, 41.8170, 64.2192



47.3303, 65.4144, 104.7394

17.9695, 16.6343, 60.0221

11.4493, 12.5390, 14.3872

17.7845, 24.5929, 39.7658

0.9444, 1.3226, 2.0605

Inverse Universe

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

35.4492, 18.6521, 50.4486

56.1087, 27.5497, 79.1727

34.8679, 31.5713, 6.8422

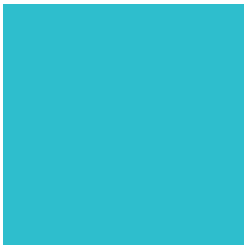
11.6401, 11.3848, 13.9056

21.1877, 10.2857, 29.7707

1.1067, 0.5361, 1.6075

Previews

White Background

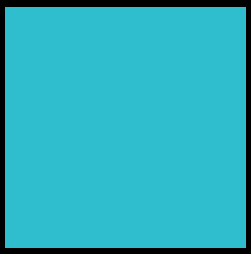


This preview shows how the XYZ color 30.5596, 41.8155, 64.2182 looks on a white background.

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



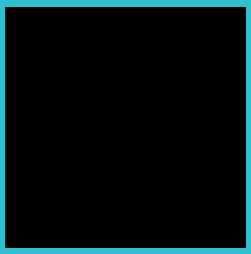
This preview shows how the XYZ color 30.5596, 41.8155, 64.2182 looks on a black background.

Color Contrast Check

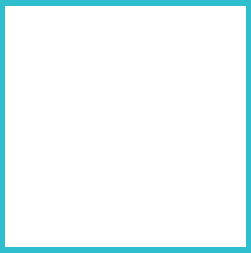
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 30.5596, 41.8155, 64.2182 Background



This preview shows how black text looks on a background with the XYZ color 30.5596, 41.8155, 64.2182.



This preview shows how white text looks on a background with the XYZ color 30.5596, 41.8155,

64.2182.

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

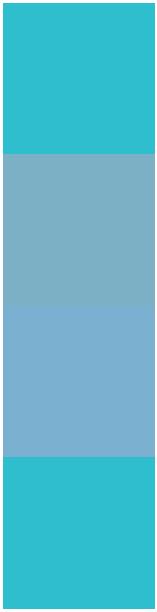
Original Color
30.5596, 41.8155, 64.2182

Protanopia
40.2513, 40.9902, 55.6596

Deuteranopia
41.9977, 41.0934, 66.6911

Tritanopia
30.5596, 41.8155, 64.2182

Trichromacy



Original Color
30.5596, 41.8155, 64.2182

Protanomaly
34.1124, 39.7606, 58.7000

Deuteranomaly
35.2227, 39.8898, 65.5176

Tritanomaly
30.5596, 41.8155, 64.2182

Monochromacy

Original Color
30.5596, 41.8155, 64.2182

Achromatopsia
28.5667, 30.0544, 32.7292

Achromatomaly
27.1190, 32.8602, 42.4495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5596, 41.8155, 64.2182 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(46, 190, 205) looks like.

```
.text, #text, p{
    color:rgb(46, 190, 205)
}
```

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(46, 190, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 190, 205) }
```

Border

The CSS property to change the border of an element to XYZ 30.5596, 41.8155, 64.2182 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(46, 190, 205) }
```

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

```
.border{ border-color:rgb(46, 190, 205) }
```

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

Here you see how a box with a 4 pixel rgb(46, 190, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(46, 190, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(46, 190, 205); box-shadow:4px 4px 4px 4px rgb(46, 190, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5596, 41.8155, 64.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(46, 190, 205) }
```

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

```
.background{ background-color:rgb(46, 190,
205) }
```

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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