

Converting Colors

XYZ(30.2945, 40.7656, 62.1490)

Have a look what the booklet for
XYZ(30.2945, 40.7656, 62.1490)
contains.

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Color

**XYZ(30.2945, 40.7656,
62.1490)**

Conversions

Conversions Part 1

Format	Color
Hex	3CBBCA
RGB	60, 187, 202
RGB Percent	24%, 73%, 79%
CMY	0.7647, 0.2667, 0.2078
CMYK	0.70, 0.07, 0.00, 0.21
HSL	186°, 57%, 51%
HSV	186°, 70%, 79%
XYZ	30.2945, 40.7656, 62.1490
YIQ	150.7370, -80.5070, -22.2590

Conversions

Conversions Part 2

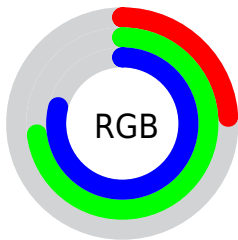
Format	Color
RYB	60, 127, 202
Decimal	3980234
CIELab	70.01, -29.20, -17.61
CIElCh	70, 34.094, 211.094
Yxy	40.7656, 0.2274, 0.3060
Android (android.graphics.Color)	4282170314 (0xFF3CBBCA)
YUV	150.7370, 25.2727, -79.5763
Hunter-Lab	63.8479, -27.0394, -13.0188

Details

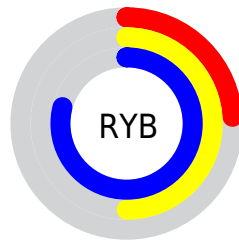
The XYZ color **30.2945, 40.7656, 62.1490** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **27.6899, 17.9163, 6.2750**, and the grayscale version is **29.2248, 30.7468, 33.4833**.

A 20% lighter version of the original color is **59.0049, 76.3570, 106.2362**, and **13.7328, 18.9132, 30.9438** is the 20% darker color. If you saturate the color by 10%, you get **28.8501, 39.3548, 61.9536**, and if you desaturate by 10%, it is **32.2138, 42.4329, 62.3704**.

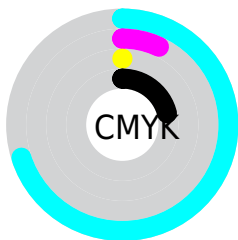
Distribution



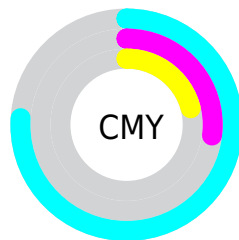
- Red (24%)
- Green (73%)
- Blue (79%)



- Red (24%)
- Yellow (50%)
- Blue (79%)



- Cyan (70%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)



- Cyan (76%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2945, 40.7656, 62.1490 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 30.2945, 40.7656, 62.1490 by changing the saturation by 10% instead.

■ 30.2945, 40.7656,
62.1490

■ 30.2945, 40.7656,
62.1490

295.1600,
349.3400, 450.4970

■ 20.2114, 28.1360,
44.7165

■ 59.5110, 76.3279,
109.5145

■ 12.6580, 18.4282,
30.8929

■ 79.3752, 100.0294,
140.2847

■ 7.2688, 11.2578,
20.2595

■ 103.2304,
128.1904, 176.3378

■ 3.6786, 6.2405,
12.3979

■ 131.4421,
161.1951, 218.0925

■ 1.5220, 2.9919,
6.8894

■ 164.3755,
199.4280, 265.9672

■ 0.3407, 1.1275,
3.3157

202.3961,

■ 0.0000, 0.0013,

243.2736, 320.3805

1.2580

245.8691,
293.1161, 381.7509

■ 0.0000, 0.0000,
0.0270

■ 0.0000, 0.0000,
0.0000

■ 30.2945, 40.7656,
62.1490

■ 30.2945, 40.7656,
62.1490

■ 28.8501, 39.3548,
61.9536

■ 32.2138, 42.4329,
62.3704

■ 27.8204, 38.1669,
61.7786

■ 34.6516, 44.3766,
62.6171

■ 27.1165, 37.1756,
61.6243

■ 37.6508, 46.6199,
62.8920

■ 41.2488, 49.1820,
63.1969

■ 45.4798, 52.0805,
63.5334

■ 50.3753, 55.3318,
63.9029

■ 55.9648, 58.9511,
64.3069

■ 62.2759, 62.9527,
64.7467

■ 69.3347, 67.3500,
65.2234

Harmonies

Analogous

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



29.0112, 40.7656, 44.9737



30.2945, 40.7656, 62.1490



33.8055, 40.7656, 76.9432

Triad

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



30.2945, 40.7656, 62.1490



48.8780, 40.7656, 60.8909



38.5428, 40.7656, 20.2745

Complementary

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



30.2945, 40.7656, 62.1490



27.6899, 17.9163, 6.2750

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.



44.1468, 40.7656, 22.6184



30.2945, 40.7656, 62.1490



50.4472, 40.7656, 43.8050

Square

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



30.2945, 40.7656, 62.1490



44.5334, 40.7656, 76.1031



48.6402, 40.7656, 30.3791



33.4839, 40.7656, 22.9933

Rectangle

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



30.2945, 40.7656, 62.1490



37.1149, 40.7656, 82.0225



48.6402, 40.7656, 30.3791



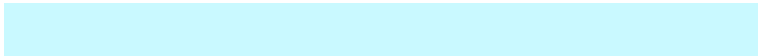
40.4252, 40.7656, 20.4909

Sweetspot

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



30.2958, 40.7671, 62.1500



76.2405, 87.6639, 107.5103



24.2279, 43.6998, 13.6734



15.8723, 18.4606, 22.9766



0.0000, 0.0000, 0.0000



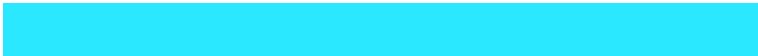
20.3446, 21.4041, 23.3091

Same Dimension

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



30.2958, 40.7671, 62.1500



47.9186, 65.6115, 104.7464



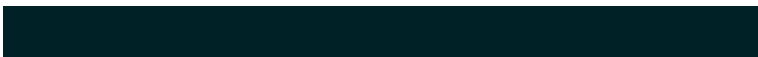
18.8636, 17.9027, 58.3393



11.4381, 12.5167, 14.3835



17.4879, 23.9998, 39.6670



0.9319, 1.2976, 2.0563

Inverse Universe

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



34.9437, 19.3774, 48.9137



56.6448, 28.6796, 79.1732



35.3300, 33.1964, 8.8217



11.6345, 11.3825, 13.8759



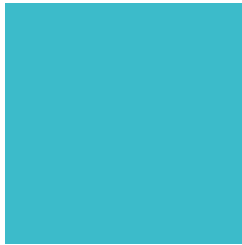
21.0380, 10.2258, 28.9825



1.1003, 0.5335, 1.5743

Previews

White Background



This preview shows how the XYZ color 30.2945, 40.7656, 62.1490 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 30.2945, 40.7656, 62.1490 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

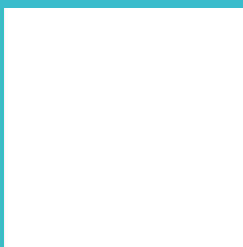
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2945, 40.7656, 62.1490

Background



This preview shows how black text looks on a background with the XYZ color 30.2945, 40.7656, 62.1490.

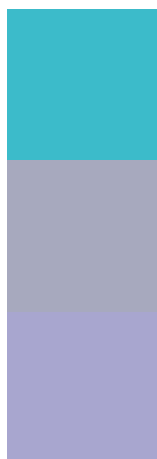


This preview shows how white text looks on a background with the XYZ color 30.2945, 40.7656,

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

30.2945, 40.7656, 62.1490

Protanopia

39.4186, 40.3091, 54.4181

Deuteranopia

41.0472, 40.1023, 64.6086



Tritanopia

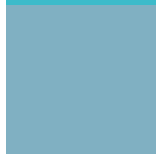
30.2945, 40.7656, 62.1490

Trichromacy



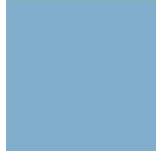
Original Color

30.2945, 40.7656, 62.1490



Protanomaly

34.1650, 39.5349, 56.8692



Deuteranomaly

35.2088, 39.3470, 63.4966



Tritanomaly

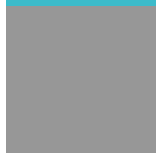
30.2945, 40.7656, 62.1490

Monochromacy



Original Color

30.2945, 40.7656, 62.1490



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

28.0024, 33.3048, 42.9828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2945, 40.7656, 62.1490 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(60, 187, 202)` looks like.

```
.text, #text, p{  
    color:rgb(60, 187, 202)  
}
```

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(60, 187, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 187, 202) }
```

Border

The CSS property to change the border of an element to XYZ 30.2945, 40.7656, 62.1490 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(60, 187, 202) }
```


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

```
.border{ border-color:rgb(60, 187, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 187, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 187, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 187, 202);  
box-shadow:4px 4px 4px 4px rgb(60, 187,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2945, 40.7656, 62.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 187, 202) }
```

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

```
.background{ background-color: rgb(60, 187,  
202) }
```

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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