

Converting Colors

XYZ(29.5620, 40.6903, 62.7958)

Have a look what the booklet for
XYZ(29.5620, 40.6903, 62.7958)
contains.

XYZ(29.5620, 40.6903, 62.7958)	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(29.5620, 40.6903,
62.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	26BCCB
RGB	38, 188, 203
RGB Percent	15%, 74%, 80%
CMY	0.8509, 0.2627, 0.2039
CMYK	0.81, 0.07, 0.00, 0.20
HSL	185°, 68%, 47%
HSV	185°, 81%, 80%
XYZ	29.5620, 40.6903, 62.7958
YIQ	144.8600, -94.2150, -27.1350

Conversions

Conversions Part 2

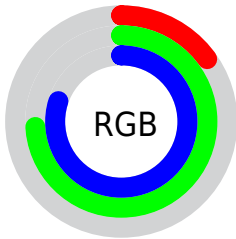
Format	Color
RYB	38, 117, 203
Decimal	2538699
CIELab	69.96, -31.74, -18.27
CIELCh	70, 36.626, 209.927
Yxy	40.6903, 0.2222, 0.3058
Android (android.graphics.Color)	4280728779 (0xFF26BCCB)
YUV	144.8600, 28.6630, -93.7162
Hunter-Lab	63.7889, -28.9076, -13.7146

Details

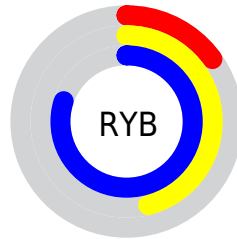
The XYZ color **29.5620, 40.6903, 62.7958** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **26.2527, 15.3841, 3.4207**, and the grayscale version is **26.7738, 28.1681, 30.6750**.

A 20% lighter version of the original color is **57.6418, 76.1022, 106.2589**, and **13.9499, 19.2201, 31.4084** is the 20% darker color. If you saturate the color by 10%, you get **28.6158, 39.6218, 62.6402**, and if you desaturate by 10%, it is **30.9235, 41.9820, 62.9741**.

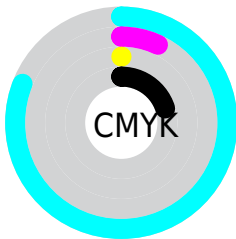
Distribution



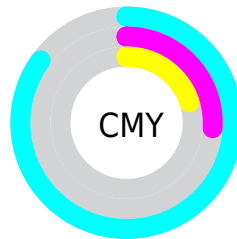
- Red (15%)
- Green (74%)
- Blue (80%)



- Red (15%)
- Yellow (46%)
- Blue (80%)



- Cyan (81%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (85%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5620, 40.6903, 62.7958 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 29.5620, 40.6903, 62.7958 by changing the saturation by 10% instead.

■ 29.5620, 40.6903,
62.7958

■ 29.5620, 40.6903,
62.7958

291.8041,
349.0246, 452.9156

■ 19.6528, 28.0772,
45.2361

■ 58.3602, 76.2135,
110.4576

■ 12.2497, 18.3838,
31.2991

■ 77.9799, 99.8924,
141.3968

■ 6.9874, 11.2259,
20.5664

■ 101.5672,
128.0287, 177.6328

■ 3.5005, 6.2190,
12.6193

■ 129.4873,
161.0068, 219.5843

■ 1.4236, 2.9787,
7.0393

■ 162.1057,
199.2110, 267.6698

■ 0.2730, 1.1206,
3.4078

199.7878,

■ 0.0000, 0.0000,

243.0257, 322.3078

1.3065

242.8988,
292.8355, 383.9169

■ 0.0000, 0.0000,
0.0671

■ 0.0000, 0.0000,
0.0000

■ 29.5620, 40.6903,
62.7958

■ 29.5620, 40.6903,
62.7958

■ 28.6158, 39.6218,
62.6402

■ 30.9235, 41.9820,
62.9741

■ 28.0340, 38.8205,
62.5162

■ 32.7545, 43.5225,
63.1750

■ 35.1052, 45.3384,
63.4016

■ 38.0182, 47.4517,
63.6560

■ 41.5317, 49.8822,
63.9399

■ 45.6806, 52.6478,
64.2551

■ 50.4969, 55.7653,
64.6029

■ 56.0108, 59.2499,
64.9849

■ 62.2503, 63.1163,
65.4024

Harmonies

Analogous

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



28.3019, 40.6903, 44.2628



29.5620, 40.6903, 62.7958



33.2075, 40.6903, 79.2435

Triad

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



29.5620, 40.6903, 62.7958



49.4737, 40.6903, 62.8877



38.6896, 40.6903, 18.9062

Complementary

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



29.5620, 40.6903, 62.7958



26.2527, 15.3841, 3.4207

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.



44.7118, 40.6903, 21.5248



29.5620, 40.6903, 62.7958



51.3156, 40.6903, 44.3469

Square

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



29.5620, 40.6903, 62.7958



44.6838, 40.6903, 79.3055



49.4910, 40.6903, 29.8548



33.2304, 40.6903, 21.4989

Rectangle

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



29.5620, 40.6903, 62.7958



36.7033, 40.6903, 85.1540



49.4910, 40.6903, 29.8548



40.7159, 40.6903, 19.1946

Sweetspot

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



29.5633, 40.6918, 62.7968



74.2576, 86.6844, 107.4257



22.7706, 43.3706, 10.3921



15.3562, 18.1956, 22.9527



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.



29.5633, 40.6918, 62.7968



47.0500, 65.1252, 104.6984



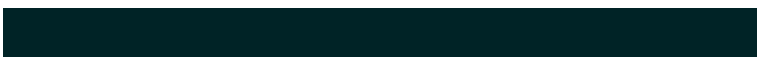
16.8121, 15.1893, 58.5464



11.4527, 12.5458, 14.3883



17.8755, 24.7751, 39.7962



0.9483, 1.3303, 2.0617

Inverse Universe

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



34.3999, 17.7148, 49.1847



55.9010, 27.2130, 78.8607



33.5396, 29.9579, 5.8496



11.6419, 11.3855, 13.9146



21.2337, 10.3041, 30.0128



1.1086, 0.5368, 1.6177

Previews

White Background



This preview shows how the XYZ color 29.5620, 40.6903, 62.7958 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 29.5620, 40.6903, 62.7958 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

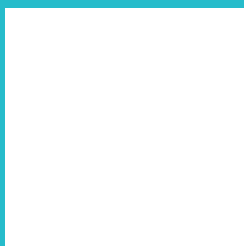
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5620, 40.6903, 62.7958

Background



This preview shows how black text looks on a background with the XYZ color 29.5620, 40.6903, 62.7958.



This preview shows how white text looks on a background with the XYZ color 29.5620, 40.6903,

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

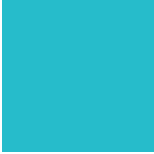
29.5620, 40.6903, 62.7958

Protanopia

39.2332, 39.9385, 54.3563

Deuteranopia

40.9577, 40.0420, 65.2447



Tritanopia

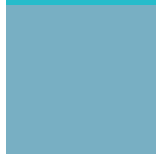
29.5620, 40.6903, 62.7958

Trichromacy



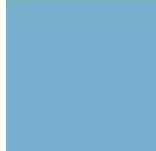
Original Color

29.5620, 40.6903, 62.7958



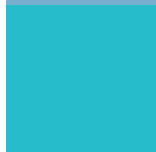
Protanomaly

32.9260, 38.5931, 57.3436



Deuteranomaly

34.0224, 38.7214, 64.0733



Tritanomaly

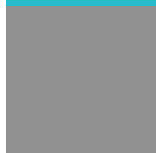
29.5620, 40.6903, 62.7958

Monochromacy



Original Color

29.5620, 40.6903, 62.7958



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.5717, 31.3071, 40.7715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5620, 40.6903, 62.7958 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(38, 188, 203)` looks like.

```
.text, #text, p{  
    color:rgb(38, 188, 203)  
}
```

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(38, 188, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 188, 203) }
```

Border

The CSS property to change the border of an element to XYZ 29.5620, 40.6903, 62.7958 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(38, 188, 203) }
```


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

```
.border{ border-color:rgb(38, 188, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 188, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 188, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 188, 203);  
box-shadow:4px 4px 4px 4px rgb(38, 188,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5620, 40.6903, 62.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 188, 203) }
```

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

```
.background{ background-color: rgb(38, 188,  
203) }
```

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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