

Converting Colors

XYZ(40.3231, 56.9055, 83.3539)

Have a look what the booklet for
XYZ(40.3231, 56.9055, 83.3539)
contains.

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Color

**XYZ(40.2741, 56.7163,
83.6876)**

Conversions

Conversions Part 1

Format	Color
Hex	22DBE6
RGB	34, 219, 230
RGB Percent	13%, 86%, 90%
CMY	0.8666, 0.1412, 0.0980
CMYK	0.85, 0.05, 0.00, 0.10
HSL	183°, 80%, 52%
HSV	183°, 85%, 90%
XYZ	40.2741, 56.7163, 83.6876
YIQ	164.9390, -113.7910, -35.7990

Conversions

Conversions Part 2

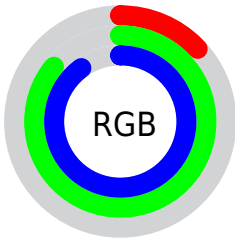
Format	Color
RYB	34, 129, 230
Decimal	2284518
CIELab	80.02, -38.33, -17.65
CIELCh	80, 42.199, 204.726
Yxy	56.7163, 0.2229, 0.3139
Android (android.graphics.Color)	4280474598 (0xFF22DBE6)
YUV	164.9390, 32.0751, -114.8335
Hunter-Lab	75.3102, -36.3354, -13.1682

Details

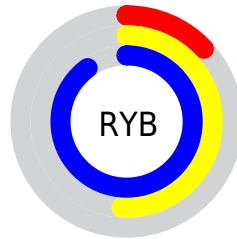
The XYZ color **40.2741, 56.7163, 83.6876** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.8618, 18.8171, 3.3623**, and the grayscale version is **35.6288, 37.4843, 40.8204**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **20.8351, 29.2895, 45.1128** is the 20% darker color. If you saturate the color by 10%, you get **39.4183, 55.7783, 83.5527**, and if you desaturate by 10%, it is **41.6421, 57.9246, 83.8498**.

Distribution



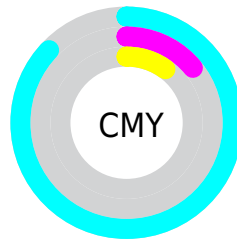
- Red (13%)
- Green (86%)
- Blue (90%)



- Red (13%)
- Yellow (51%)
- Blue (90%)



- Cyan (85%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (87%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2741, 56.7163, 83.6876 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 40.2741, 56.7163, 83.6876 by changing the saturation by 10% instead.

40.2741, 56.7163,
83.6876

40.2741, 56.7163,
83.6876

338.3922,
412.3854, 527.3062

27.9375, 40.7775,
62.2136

74.8624, 100.0511,
140.3959

18.4188, 28.1453,
44.7684

97.8448, 128.2159,
176.4674

11.3526, 18.4352,
30.9335

125.1065,
161.2249, 218.2417

6.3735, 11.2629,
20.2901

157.0129,
199.4623, 266.1376

3.1163, 6.2439,
12.4200

193.9293,
243.3127, 320.5734

1.2156, 2.9940,
6.9044

236.2211,

0.1186, 1.1286,

293.1605, 381.9677

3.3248

284.2536,
349.3899, 450.7391

■ 0.0000, 0.0022,
1.2628

■ 0.0000, 0.0000,
0.0310

■ 40.2741, 56.7163,
83.6876

■ 40.2741, 56.7163,
83.6876

■ 39.4183, 55.7783,
83.5527

■ 41.6421, 57.9246,
83.8498

■ 39.1202, 55.3874,
83.4930

■ 43.6043, 59.4419,
84.0392

■ 46.2335, 61.3069,
84.2606

■ 49.5909, 63.5512,
84.5169

■ 53.7305, 66.2027,
84.8105

■ 58.7013, 69.2866,
85.1438

■ 64.5485, 72.8263,
85.5188

■ 71.3137, 76.8431,
85.9376

■ 79.0361, 81.3573,
86.4019

Harmonies

Analogous

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



39.0985, 56.7163, 57.5145



40.2741, 56.7163, 83.6876



44.9346, 56.7163, 108.8867

Triad

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



40.2741, 56.7163, 83.6876



68.5204, 56.7163, 93.2367



55.4371, 56.7163, 25.6567

Complementary

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



40.2741, 56.7163, 83.6876



33.8618, 18.8171, 3.3623

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.



64.0011, 56.7163, 30.6677



40.2741, 56.7163, 83.6876



72.0498, 56.7163, 66.1978

Square

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



40.2741, 56.7163, 83.6876



61.1024, 56.7163, 115.3459



70.3143, 56.7163, 44.0331



47.3001, 56.7163, 28.0253

Rectangle

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



40.2741, 56.7163, 83.6876



49.6789, 56.7163, 119.4295



70.3143, 56.7163, 44.0331



58.3687, 56.7163, 26.4828

Sweetspot

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



40.2759, 56.7184, 83.6890



73.5464, 87.1695, 107.5568



29.4089, 57.1154, 11.8395



15.2549, 18.3576, 22.9893



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.



40.2759, 56.7184, 83.6890



49.4135, 69.9470, 105.5045



21.9291, 20.0249, 77.5734



14.7345, 16.1905, 18.4928



22.1781, 31.4183, 47.2786



1.6601, 2.3642, 3.5008

Inverse Universe

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



45.9928, 23.0831, 69.0514



57.0708, 27.5923, 85.2941



42.5674, 36.2284, 6.2642



14.9583, 14.6005, 17.9810



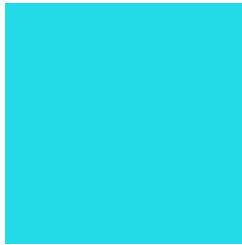
25.5880, 12.3694, 38.3209



1.9016, 0.9183, 2.8883

Previews

White Background



This preview shows how the XYZ color 40.2741, 56.7163, 83.6876 looks on a white background.

Color Contrast Check

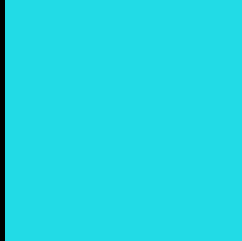
Large Text (above 18pt) WCAG AA × Fail

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 40.2741, 56.7163, 83.6876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

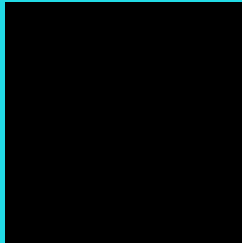
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

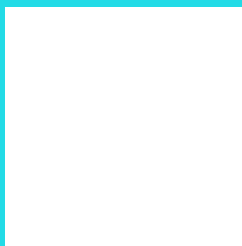
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2741, 56.7163, 83.6876

Background



This preview shows how black text looks on a background with the XYZ color 40.2741, 56.7163, 83.6876.

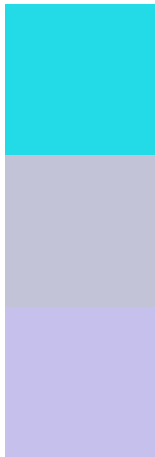


This preview shows how white text looks on a background with the XYZ color 40.2741, 56.7163,

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

40.2741, 56.7163, 83.6876

Protanopia

54.2865, 55.5386, 72.1488

Deuteranopia

57.0159, 55.6257, 87.0887



Tritanopia

41.1666, 56.6912, 88.1297

Trichromacy



Original Color

40.2741, 56.7163, 83.6876



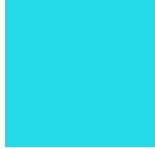
Protanomaly

44.6645, 53.5873, 75.6995



Deuteranomaly

46.4530, 53.5848, 85.7365



Tritanomaly

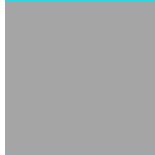
40.7594, 56.5147, 86.6021

Monochromacy



Original Color

40.2741, 56.7163, 83.6876



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.8704, 42.1540, 54.4955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2741, 56.7163, 83.6876 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(34, 219, 230)` looks like.

```
.text, #text, p{  
    color:rgb(34, 219, 230)  
}
```

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(34, 219, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 219, 230) }
```

Border

The CSS property to change the border of an element to XYZ 40.2741, 56.7163, 83.6876 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(34, 219, 230) }
```


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

```
.border{ border-color:rgb(34, 219, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 219, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 219, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 219, 230);  
box-shadow:4px 4px 4px 4px rgb(34, 219,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2741, 56.7163, 83.6876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 219, 230) }
```

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

```
.background{ background-color: rgb(34, 219,  
230) }
```

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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