

Converting Colors

XYZ(27.5589, 40.0258, 54.4168)

Have a look what the booklet for
XYZ(27.5589, 40.0258, 54.4168)
contains.

XYZ(27.6515, 40.2078, 54.4476)	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(27.6515, 40.2078,
54.4476)**

Conversions

Conversions Part 1

Format	Color
Hex	13BDBD
RGB	19, 189, 189
RGB Percent	7%, 74%, 74%
CMY	0.9254, 0.2588, 0.2588
CMYK	0.90, 0.00, 0.00, 0.26
HSL	180°, 82%, 41%
HSV	180°, 90%, 74%
XYZ	27.6515, 40.2078, 54.4476
YIQ	138.1700, -101.3200, -36.0400

Conversions

Conversions Part 2

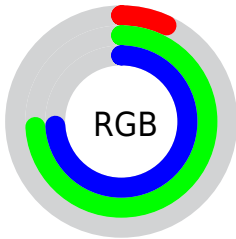
Format	Color
RYB	19, 104, 189
Decimal	1293757
CIELab	69.62, -37.73, -11.13
CIELCh	70, 39.341, 196.434
Yxy	40.2078, 0.2261, 0.3287
Android (android.graphics.Color)	4279483837 (0xFF13BDBD)
YUV	138.1700, 25.0592, -104.5121
Hunter-Lab	63.4096, -33.1270, -6.5235

Details

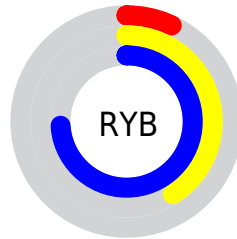
The XYZ color **27.6515, 40.2078, 54.4476** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **21.3381, 11.3329, 1.6802**, and the grayscale version is **24.1608, 25.4191, 27.6814**.

A 20% lighter version of the original color is **55.3811, 75.5683, 98.0535**, and **13.1079, 19.1055, 26.2894** is the 20% darker color. If you saturate the color by 10%, you get **27.3852, 40.0714, 54.4360**, and if you desaturate by 10%, it is **28.1803, 40.4813, 54.4734**.

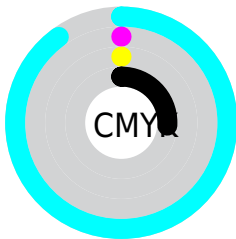
Distribution



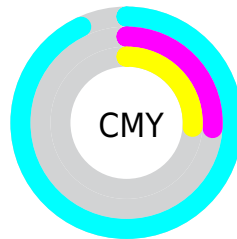
- Red (7%)
- Green (74%)
- Blue (74%)



- Red (7%)
- Yellow (41%)
- Blue (74%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)




- Cyan (93%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6515, 40.2078, 54.4476 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 27.6515, 40.2078, 54.4476 by changing the saturation by 10% instead.


 27.6515, 40.2078,
54.4476


 27.6515, 40.2078,
54.4476


282.9083,
346.9986, 421.0373


 18.2022, 27.7006,
38.5640

 55.3401, 75.4798,
98.1941


 11.1958, 18.1001,
26.1155


 74.3102, 99.0135,
126.8942


 6.2670, 11.0219,
16.6835


 97.1845, 126.9914,
160.7035

 3.0503, 6.0815,
9.8496

 124.3285,
159.7979, 200.0405

 1.1804, 2.8947,
5.1950

 156.1075,
197.8175, 245.3239

 0.0908, 1.0770,
2.3014

192.8869,

 0.0000, 0.0000,

241.4346, 296.9721

0.7320

235.0321,
291.0335, 355.4038

■ 0.0000, 0.0000,
0.0000

■ 27.6515, 40.2078,
54.4476

■ 27.6515, 40.2078,
54.4476

■ 27.3852, 40.0714,
54.4360

■ 28.1803, 40.4813,
54.4734

■ 27.3836, 40.0706,
54.4359

■ 29.0612, 40.9354,
54.5147

■ 30.3426, 41.5959,
54.5747

■ 32.0644, 42.4836,
54.6554

■ 34.2619, 43.6164,
54.7584

■ 36.9665, 45.0107,
54.8850

■ 40.2073, 46.6814,
55.0368

■ 44.0108, 48.6422,
55.2149

■ 48.4020, 50.9059,
55.4205

Harmonies

Analogous

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



27.5241, 40.2078, 36.0718



27.6515, 40.2078, 54.4476



30.3968, 40.2078, 74.3546

Triad

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



27.6515, 40.2078, 54.4476



47.7737, 40.2078, 72.6048



41.1554, 40.2078, 17.8074

Complementary

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



27.6515, 40.2078, 54.4476



21.3381, 11.3329, 1.6802

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.



47.2735, 40.2078, 22.9995



27.6515, 40.2078, 54.4476



51.3709, 40.2078, 52.5136

Square

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



27.6515, 40.2078, 54.4476



41.7794, 40.2078, 86.6650



51.1783, 40.2078, 34.6046



34.8618, 40.2078, 18.0575

Rectangle

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



27.6515, 40.2078, 54.4476



33.5353, 40.2078, 84.3384



51.1783, 40.2078, 34.6046



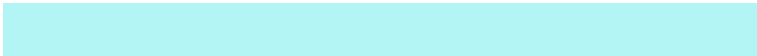
43.3138, 40.2078, 18.8952

Sweetspot

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



27.6527, 40.2093, 54.4486



67.5648, 81.3127, 98.3596



18.6437, 36.6125, 6.7016



14.1342, 17.2821, 21.1333



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.6527, 40.2093, 54.4486



49.0425, 71.7641, 97.4915



14.6965, 14.2966, 50.1306



9.8086, 10.8096, 12.2417



18.4240, 26.9599, 36.6250



0.7217, 1.0560, 1.4346

Inverse Universe

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



21.3381, 11.3329, 1.6802



37.5865, 19.3765, 1.7591



25.7761, 20.2089, 3.1594



9.5302, 9.5364, 9.9151



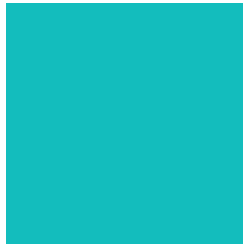
14.1202, 7.2792, 0.6609



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 27.6515, 40.2078, 54.4476 looks on a white background.

Color Contrast Check

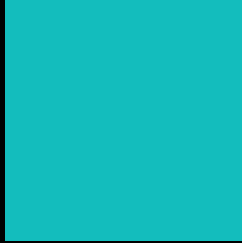
Large Text (above 18pt) WCAG AA × Fail

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 27.6515, 40.2078, 54.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

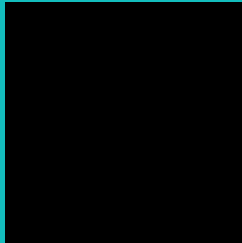
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

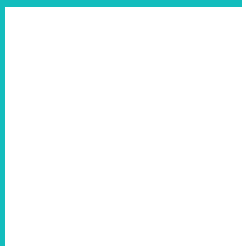
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6515, 40.2078, 54.4476

Background



This preview shows how black text looks on a background with the XYZ color 27.6515, 40.2078, 54.4476.

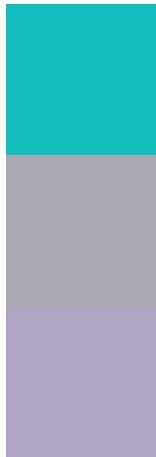


This preview shows how white text looks on a background with the XYZ color 27.6515, 40.2078,

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

27.6515, 40.2078, 54.4476

Protanopia

38.4167, 39.6859, 46.7097

Deuteranopia

40.4263, 39.6895, 56.5691



Tritanopia

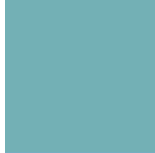
29.2303, 40.2170, 62.0992

Trichromacy



Original Color

27.6515, 40.2078, 54.4476



Protanomaly

30.9361, 38.0317, 49.4264



Deuteranomaly

31.9866, 37.8598, 55.4910



Tritanomaly

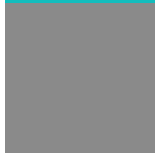
28.6263, 40.2890, 59.0911

Monochromacy



Original Color

27.6515, 40.2078, 54.4476



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.8621, 28.9812, 36.2873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6515, 40.2078, 54.4476 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(19, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(19, 189, 189)  
}
```

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(19, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 189, 189) }
```

Border

The CSS property to change the border of an element to XYZ 27.6515, 40.2078, 54.4476 is called "border". The border property can be set on classes, ids or directly on the HTML element.

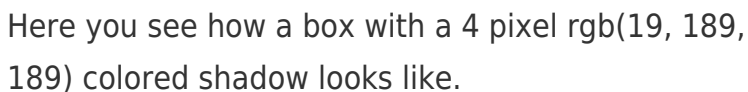
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 189, 189) }
```


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

```
.border{ border-color:rgb(19, 189, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(19, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(19, 189,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6515, 40.2078, 54.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 189, 189) }
```

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

```
.background{ background-color: rgb(19, 189,  
189) }
```

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