

Converting Colors

XYZ(27.6318, 40.7494, 46.7338)

Have a look what the booklet for
XYZ(27.6318, 40.7494, 46.7338)
contains.

XYZ(27.6195, 40.6789, 46.9536)	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(27.6195, 40.6789,
46.9536)**

Conversions

Conversions Part 1

Format	Color
Hex	35BEAF
RGB	53, 190, 175
RGB Percent	21%, 75%, 69%
CMY	0.7921, 0.2549, 0.3137
CMYK	0.72, 0.00, 0.08, 0.25
HSL	173°, 56%, 48%
HSV	173°, 72%, 75%
XYZ	27.6195, 40.6789, 46.9536
YIQ	147.3270, -76.8370, -33.7090

Conversions

Conversions Part 2

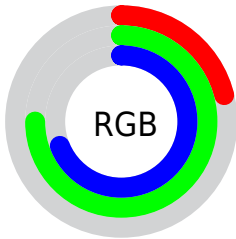
Format	Color
RYB	53, 125, 190
Decimal	3522223
CIELab	69.95, -39.30, -2.91
CIElCh	70, 39.405, 184.236
Yxy	40.6789, 0.2396, 0.3530
Android (android.graphics.Color)	4281712303 (0xFF35BEAF)
YUV	147.3270, 13.6428, -82.7248
Hunter-Lab	63.7800, -34.3168, 0.9979

Details

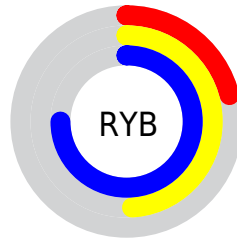
The XYZ color **27.6195, 40.6789, 46.9536** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **23.5530, 13.9119, 6.9141**, and the grayscale version is **27.8380, 29.2877, 31.8943**.

A 20% lighter version of the original color is **55.2894, 76.2278, 86.6623**, and **12.3793, 19.0384, 21.7612** is the 20% darker color. If you saturate the color by 10%, you get **26.6092, 40.1824, 45.8486**, and if you desaturate by 10%, it is **29.0311, 41.3838, 48.0957**.

Distribution



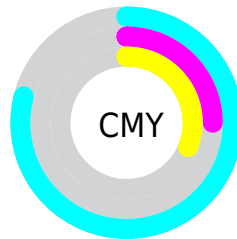
- Red (21%)
- Green (75%)
- Blue (69%)



- Red (21%)
- Yellow (49%)
- Blue (75%)



- Cyan (72%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)




- Cyan (79%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6195, 40.6789, 46.9536 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 27.6195, 40.6789, 46.9536 by changing the saturation by 10% instead.


 27.6195, 40.6789,
46.9536


 27.6195, 40.6789,
46.9536


282.7574,
348.9768, 391.0177


 18.1780, 28.0683,
32.6449


 55.2893, 76.1962,
86.9936


 11.1783, 18.3771,
21.5857


 74.2483, 99.8717,
113.5620


 6.2551, 11.2211,
13.3574


 97.1105, 128.0042,
145.0540

 3.0429, 6.2157,
7.5415

 124.2413,
160.9782, 181.8882

 1.1765, 2.9767,
3.7194

 156.0061,
199.1781, 224.4832

 0.0877, 1.1196,
1.4727

192.7701,

 0.0000, 0.0000,

242.9882, 273.2574

0.1975

234.8988,
292.7930, 328.6294

■ 0.0000, 0.0000,
0.0000

■ 27.6195, 40.6789,
46.9536

■ 27.6195, 40.6789,
46.9536

■ 26.6092, 40.1824,
45.8486

■ 29.0311, 41.3838,
48.0957

■ 25.9467, 39.8640,
44.7753

■ 30.8824, 42.3140,
49.2739

■ 25.5940, 39.7001,
43.9471

■ 33.2110, 43.4899,
50.4910

■ 36.0497, 44.9284,
51.7487

■ 39.4282, 46.6448,
53.0484

■ 43.3740, 48.6533,
54.3914

■ 47.9129, 50.9672,
55.7790

■ 53.0689, 53.5988,
57.2125

■ 58.8646, 56.5598,
58.6928

Harmonies

Analogous

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



28.5836, 40.6789, 30.6410



27.6195, 40.6789, 46.9536



29.3351, 40.6789, 67.2925

Triad

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



27.6195, 40.6789, 46.9536



46.0286, 40.6789, 80.3951



44.2784, 40.6789, 19.4839

Complementary

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



27.6195, 40.6789, 46.9536



23.5530, 13.9119, 6.9141

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.



49.7868, 40.6789, 27.2397



27.6195, 40.6789, 46.9536



50.8731, 40.6789, 61.4941

Square

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



27.6195, 40.6789, 46.9536



39.5825, 40.6789, 89.6985



52.3187, 40.6789, 41.7337



37.7600, 40.6789, 17.5741

Rectangle

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



27.6195, 40.6789, 46.9536



31.8925, 40.6789, 79.5932



52.3187, 40.6789, 41.7337



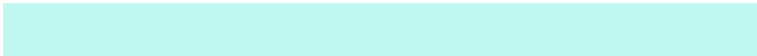
46.3321, 40.6789, 21.3635

Sweetspot

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



27.6207, 40.6805, 46.9546



71.2788, 84.4387, 96.0673



21.5104, 38.3501, 9.6377



15.2626, 18.3439, 20.9519



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.6207, 40.6805, 46.9546



47.3939, 72.4156, 81.8483



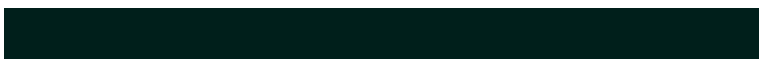
19.7784, 22.5053, 52.0184



9.7623, 10.7911, 11.9980



17.0358, 26.4046, 29.3152



0.6803, 1.0395, 1.2169

Inverse Universe

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



23.5530, 13.9119, 6.9141



39.7090, 21.1621, 5.6974



26.9837, 21.4145, 6.0803



9.5715, 9.5529, 10.1326



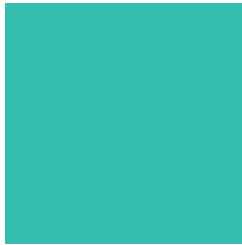
14.2239, 7.3207, 1.2066



0.5715, 0.2925, 0.1226

Previews

White Background



This preview shows how the XYZ color 27.6195, 40.6789, 46.9536 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 27.6195, 40.6789, 46.9536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

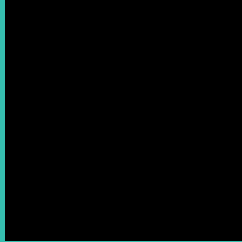
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

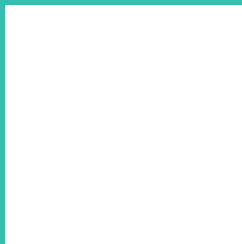
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6195, 40.6789, 46.9536

Background



This preview shows how black text looks on a background with the XYZ color 27.6195, 40.6789, 46.9536.

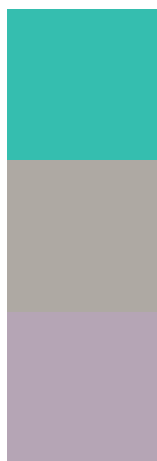


This preview shows how white text looks on a background with the XYZ color 27.6195, 40.6789,

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

27.6195, 40.6789, 46.9536

Protanopia

38.2544, 40.0189, 40.3585

Deuteranopia

40.8517, 40.0702, 49.2973



Tritanopia

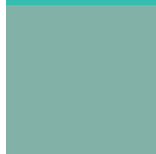
30.4854, 40.5638, 61.4812

Trichromacy



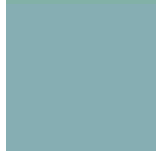
Original Color

27.6195, 40.6789, 46.9536



Protanomaly

31.9031, 38.9801, 42.4017



Deuteranomaly

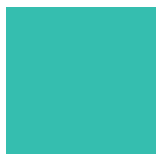
33.1043, 38.5951, 48.3526



Tritanomaly

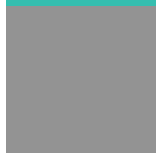
29.3347, 40.4032, 56.1217

Monochromacy



Original Color

27.6195, 40.6789, 46.9536



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.9930, 32.1394, 36.7318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6195, 40.6789, 46.9536 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(53, 190, 175)` looks like.

```
.text, #text, p{  
    color:rgb(53, 190, 175)  
}
```

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(53, 190, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 190, 175) }
```

Border

The CSS property to change the border of an element to XYZ 27.6195, 40.6789, 46.9536 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(53, 190, 175) }
```


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

```
.border{ border-color:rgb(53, 190, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 190, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 190, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 190, 175);  
box-shadow:4px 4px 4px 4px rgb(53, 190,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6195, 40.6789, 46.9536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 190, 175) }
```

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

```
.background{ background-color: rgb(53, 190,  
175) }
```

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