

Converting Colors

XYZ(27.6977, 45.1200, 32.1771)

Have a look what the booklet for
XYZ(27.6977, 45.1200, 32.1771)
contains.

XYZ(27.6578, 45.0643, 32.0515)	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(27.6578, 45.0643,
32.0515)**

Conversions

Conversions Part 1

Format	Color
Hex	3BCA8C
RGB	59, 202, 140
RGB Percent	23%, 79%, 55%
CMY	0.7686, 0.2078, 0.4510
CMYK	0.71, 0.00, 0.31, 0.21
HSL	154°, 57%, 51%
HSV	154°, 71%, 79%
XYZ	27.6578, 45.0643, 32.0515
YIQ	152.1750, -65.3260, -49.5980

Conversions

Conversions Part 2

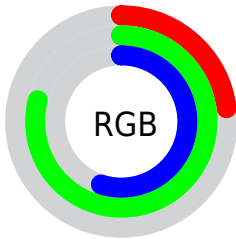
Format	Color
RYB	59, 150, 202
Decimal	3918476
CIELab	72.93, -52.01, 20.29
CIElCh	73, 55.824, 158.685
Yxy	45.0643, 0.2640, 0.4301
Android (android.graphics.Color)	4282108556 (0xFF3BCA8C)
YUV	152.1750, -6.0023, -81.7145
Hunter-Lab	67.1299, -43.9347, 18.6827

Details

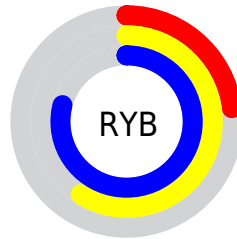
The XYZ color **27.6578, 45.0643, 32.0515** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **29.3738, 17.0660, 19.8370**, and the grayscale version is **29.9671, 31.5277, 34.3337**.

A 20% lighter version of the original color is **53.8098, 79.7001, 63.5865**, and **12.2792, 21.6056, 13.1960** is the 20% darker color. If you saturate the color by 10%, you get **26.0639, 44.3155, 28.7394**, and if you desaturate by 10%, it is **29.7685, 46.0760, 35.6582**.

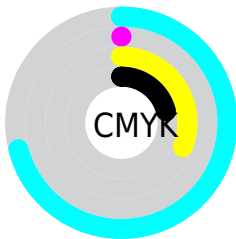
Distribution



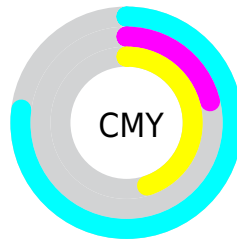
- Red (23%)
- Green (79%)
- Blue (55%)



- Red (23%)
- Yellow (59%)
- Blue (79%)



- Cyan (71%)
- Magenta (0%)
- Yellow (31%)
- Black (21%)





- Cyan (77%)
- Magenta (21%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6578, 45.0643, 32.0515 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 27.6578, 45.0643, 32.0515 by changing the saturation by 10% instead.


 27.6578, 45.0643,
32.0515


 27.6578, 45.0643,
32.0515


282.9379,
367.0339, 325.8537


 18.2070, 31.5081,
21.1357


 55.3501, 82.8169,
63.9907


 11.1993, 20.9860,
13.0310


 74.3223, 107.7821,
85.8511


 6.2693, 13.1138,
7.3189


 97.1991, 137.3190,
112.1968

 3.0517, 7.5070,
3.5809

 124.3457,
171.8121, 143.4464

 1.1812, 3.7811,
1.3984

 156.1275,
211.6457, 180.0183

 0.0914, 1.5519,
0.1404

192.9099,

 0.0000, 0.3248,

257.2043, 222.3312

0.0000

235.0583,
308.8722, 270.8035

■ 0.0000, 0.0000,
0.0000

■ 27.6578, 45.0643,
32.0515

■ 27.6578, 45.0643,
32.0515

■ 26.0639, 44.3155,
28.7394

■ 29.7685, 46.0760,
35.6582

■ 24.9252, 43.7943,
25.7098

■ 32.4415, 47.3703,
39.5646

■ 24.1825, 43.4671,
23.1603

■ 35.7209, 48.9709,
43.7796

■ 39.6452, 50.8978,
48.3106

■ 44.2499, 53.1689,
53.1648

■ 49.5676, 55.8011,
58.3490

■ 55.6288, 58.8098,
63.8699

■ 62.4622, 62.2098,
69.7338

■ 70.0948, 66.0150,
75.9470

Harmonies

Analogous

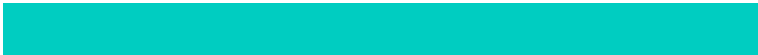
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.1685, 45.0643, 17.9967



27.6578, 45.0643, 32.0515



26.8695, 45.0643, 57.6129

Triad

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



27.6578, 45.0643, 32.0515



45.7205, 45.0643, 123.3970



59.1624, 45.0643, 22.6149

Complementary

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



27.6578, 45.0643, 32.0515



29.3738, 17.0660, 19.8370

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.



64.1209, 45.0643, 41.4116



27.6578, 45.0643, 32.0515



55.6252, 45.0643, 103.9148

Square

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



27.6578, 45.0643, 32.0515



36.3841, 45.0643, 117.8398



62.7367, 45.0643, 71.2390



50.0005, 45.0643, 14.1605

Rectangle

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



27.6578, 45.0643, 32.0515



28.4242, 45.0643, 79.5479



62.7367, 45.0643, 71.2390



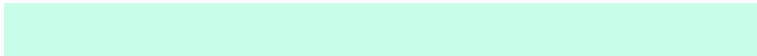
61.4347, 45.0643, 27.5772

Sweetspot

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



27.6590, 45.0661, 32.0525



74.5031, 89.8138, 89.5906



30.1300, 46.7956, 11.5827



15.4577, 18.9823, 18.6734



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.



27.6590, 45.0661, 32.0525



43.0035, 74.5108, 45.8437



31.9473, 44.1589, 62.7190



11.3298, 12.6416, 13.2939



15.6060, 27.9877, 15.1421



0.8427, 1.4589, 0.9794

Inverse Universe

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



29.3738, 17.0660, 19.8370



46.1216, 24.3345, 24.1780



27.1048, 16.7873, 5.9500



11.4109, 11.2931, 12.6985



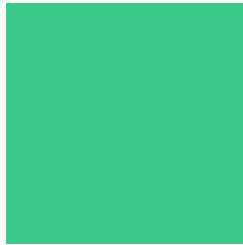
16.8388, 8.5461, 6.8700



0.9065, 0.4560, 0.5537

Previews

White Background



This preview shows how the XYZ color 27.6578, 45.0643, 32.0515 looks on a white background.

Color Contrast Check

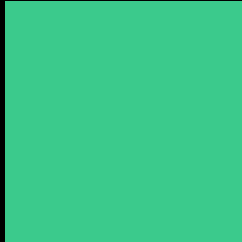
Large Text (above 18pt) WCAG AA × Fail

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 27.6578, 45.0643, 32.0515 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

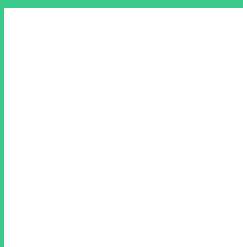
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6578, 45.0643, 32.0515

Background



This preview shows how black text looks on a background with the XYZ color 27.6578, 45.0643, 32.0515.



This preview shows how white text looks on a background with the XYZ color 27.6578, 45.0643,

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

27.6578, 45.0643, 32.0515

Protanopia

41.1704, 44.1056, 27.1122

Deuteranopia

45.0062, 44.2115, 33.7654



Tritanopia

34.6031, 44.8181, 67.1486

Trichromacy



Original Color

27.6578, 45.0643, 32.0515



Protanomaly

33.1202, 42.6509, 28.6771



Deuteranomaly

34.7109, 42.1449, 32.6909



Tritanomaly

31.4522, 44.5183, 52.2826

Monochromacy



Original Color

27.6578, 45.0643, 32.0515



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.1912, 34.7391, 33.2892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6578, 45.0643, 32.0515 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(59, 202, 140)` looks like.

```
.text, #text, p{  
    color:rgb(59, 202, 140)  
}
```

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(59, 202, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 202, 140) }
```

Border

The CSS property to change the border of an element to XYZ 27.6578, 45.0643, 32.0515 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(59, 202, 140) }
```


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

```
.border{ border-color:rgb(59, 202, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 202, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 202, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 202, 140);  
box-shadow:4px 4px 4px 4px rgb(59, 202,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6578, 45.0643, 32.0515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 202, 140) }
```

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

```
.background{ background-color: rgb(59, 202,  
140) }
```

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