

Converting Colors

XYZ(27.7509, 45.7561, 34.8867)

Have a look what the booklet for
XYZ(27.7509, 45.7561, 34.8867)
contains.

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Color

**XYZ(27.7738, 45.7637,
34.9732)**

Conversions

Conversions Part 1

Format	Color
Hex	29CC93
RGB	41, 204, 147
RGB Percent	16%, 80%, 58%
CMY	0.8392, 0.2000, 0.4235
CMYK	0.80, 0.00, 0.28, 0.20
HSL	159°, 67%, 48%
HSV	159°, 80%, 80%
XYZ	27.7738, 45.7637, 34.9732
YIQ	148.7650, -78.8510, -52.2830

Conversions

Conversions Part 2

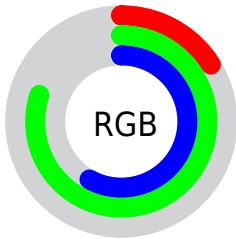
Format	Color
RYB	41, 140, 204
Decimal	2739347
CIELab	73.39, -53.52, 17.16
CIELCh	73, 56.198, 162.226
Yxy	45.7637, 0.2560, 0.4217
Android (android.graphics.Color)	4280929427 (0xFF29CC93)
YUV	148.7650, -0.8701, -94.5099
Hunter-Lab	67.6489, -45.1009, 16.7024

Details

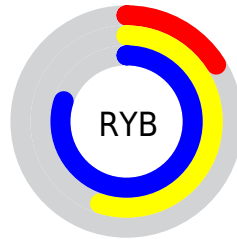
The XYZ color **27.7738, 45.7637, 34.9732** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **27.9010, 15.3063, 13.0415**, and the grayscale version is **28.4972, 29.9812, 32.6496**.

A 20% lighter version of the original color is **53.2420, 79.3145, 67.7614**, and **12.8588, 22.3394, 14.7005** is the 20% darker color. If you saturate the color by 10%, you get **26.6185, 45.2320, 32.0875**, and if you desaturate by 10%, it is **29.3874, 46.5300, 38.0636**.

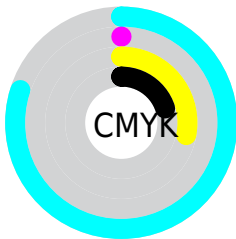
Distribution



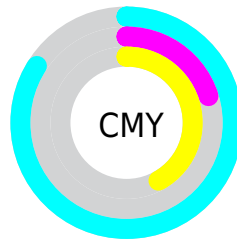
- Red (16%)
- Green (80%)
- Blue (58%)



- Red (16%)
- Yellow (55%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (28%)
- Black (20%)





- Cyan (84%)
- Magenta (20%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7738, 45.7637, 34.9732 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 27.7738, 45.7637, 34.9732 by changing the saturation by 10% instead.


 27.7738, 45.7637,
34.9732


 27.7738, 45.7637,
34.9732


283.4842,
369.8578, 339.3507


 18.2948, 32.0594,
23.3588


 55.5343, 83.8652,
68.5953


 11.2628, 21.4069,
14.6509


 74.5465, 109.0313,
91.4402


 6.3125, 13.4217,
8.4309


 97.4671, 138.7867,
118.8657

 3.0785, 7.7196,
4.2802

 124.6615,
173.5158, 151.2903

 1.1954, 3.9160,
1.7803

 156.4950,
213.6031, 189.1325

 0.1027, 1.6267,
0.4149

193.3331,

 0.0000, 0.3755,

259.4329, 232.8110

0.0000

235.5410,
311.3897, 282.7442

■ 0.0000, 0.0000,
0.0000

■ 27.7738, 45.7637,
34.9732

■ 27.7738, 45.7637,
34.9732

■ 26.6185, 45.2320,
32.0875

■ 29.3874, 46.5300,
38.0636

■ 25.8115, 44.8747,
29.3951

■ 31.5136, 47.5553,
41.3615

■ 25.8039, 44.8714,
29.3687

■ 34.2025, 48.8666,
44.8733

■ 37.4972, 50.4859,
48.6039

■ 41.4363, 52.4331,
52.5582

■ 46.0552, 54.7265,
56.7408

■ 51.3868, 57.3828,
61.1558

■ 57.4615, 60.4177,
65.8077

■ 64.3081, 63.8461,
70.7003

Harmonies

Analogous

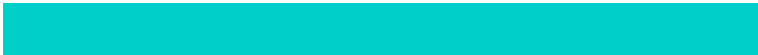
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9190, 45.7637, 19.3837



27.7738, 45.7637, 34.9732



27.4218, 45.7637, 62.2861

Triad

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



27.7738, 45.7637, 34.9732



47.6533, 45.7637, 124.3386



59.1674, 45.7637, 21.4404

Complementary

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



27.7738, 45.7637, 34.9732



27.9010, 15.3063, 13.0415

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.



64.8751, 45.7637, 39.1543



27.7738, 45.7637, 34.9732



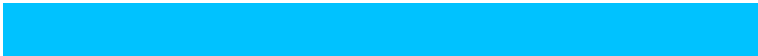
57.5826, 45.7637, 102.0706

Square

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



27.7738, 45.7637, 34.9732



37.9420, 45.7637, 121.8433



64.2547, 45.7637, 68.3887



49.5694, 45.7637, 13.8603

Rectangle

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



27.7738, 45.7637, 34.9732



29.3014, 45.7637, 84.9136



64.2547, 45.7637, 68.3887



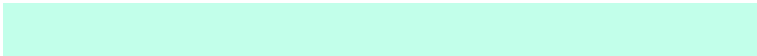
61.6657, 45.7637, 26.0478

Sweetspot

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



27.7750, 45.7655, 34.9743



72.7504, 88.8803, 90.8604



27.0371, 45.9472, 9.5423



14.9916, 18.7362, 18.9164



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.



27.7750, 45.7655, 34.9743



43.0858, 74.4651, 49.8309



28.0456, 37.2941, 62.8491



11.3702, 12.6578, 13.5067



16.2862, 28.2598, 18.7238



0.8752, 1.4719, 1.1505

Inverse Universe

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



27.9010, 15.3063, 13.0415



43.4533, 22.3224, 13.0388



27.2198, 16.8313, 3.9127



11.3716, 11.2774, 12.4916



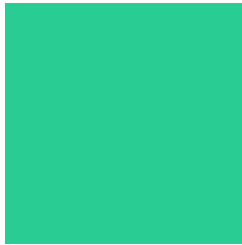
16.4363, 8.3851, 4.7505



0.8837, 0.4469, 0.4333

Previews

White Background



This preview shows how the XYZ color 27.7738, 45.7637, 34.9732 looks on a white background.

Color Contrast Check

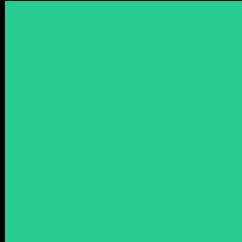
Large Text (above 18pt) WCAG AA × Fail

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 27.7738, 45.7637, 34.9732 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

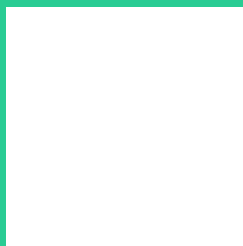
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7738, 45.7637, 34.9732

Background



This preview shows how black text looks on a background with the XYZ color 27.7738, 45.7637, 34.9732.

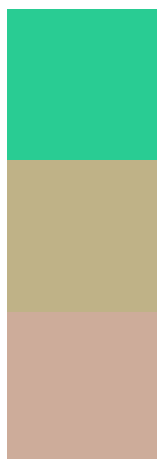


This preview shows how white text looks on a background with the XYZ color 27.7738, 45.7637,

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

27.7738, 45.7637, 34.9732

Protanopia

41.7794, 44.6664, 29.3411

Deuteranopia

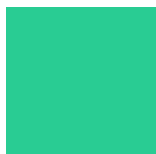
45.7621, 44.8173, 36.8105



Tritanopia

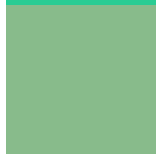
34.6842, 45.8111, 69.3017

Trichromacy



Original Color

27.7738, 45.7637, 34.9732



Protanomaly

32.5839, 42.6390, 30.9389



Deuteranomaly

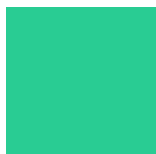
34.4035, 42.5351, 35.6750



Tritanomaly

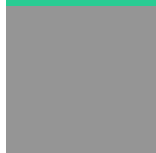
31.6149, 45.5677, 54.7061

Monochromacy



Original Color

27.7738, 45.7637, 34.9732



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.9637, 33.8290, 33.1782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7738, 45.7637, 34.9732 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(41, 204, 147)` looks like.

```
.text, #text, p{  
    color:rgb(41, 204, 147)  
}
```

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(41, 204, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 204, 147) }
```

Border

The CSS property to change the border of an element to XYZ 27.7738, 45.7637, 34.9732 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(41, 204, 147) }
```


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

```
.border{ border-color:rgb(41, 204, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 204, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 204, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 204, 147);  
box-shadow:4px 4px 4px 4px rgb(41, 204,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7738, 45.7637, 34.9732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 204, 147) }
```

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

```
.background{ background-color: rgb(41, 204,  
147) }
```

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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