

Converting Colors

XYZ(27.6522, 42.1925, 40.3174)

Have a look what the booklet for
XYZ(27.6522, 42.1925, 40.3174)
contains.

XYZ(27.6493, 42.1489, 40.3965)	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(27.6493, 42.1489,
40.3965)**

Conversions

Conversions Part 1

Format	Color
Hex	3DC2A1
RGB	61, 194, 161
RGB Percent	24%, 76%, 63%
CMY	0.7608, 0.2392, 0.3686
CMYK	0.69, 0.00, 0.17, 0.24
HSL	165°, 52%, 50%
HSV	165°, 69%, 76%
XYZ	27.6493, 42.1489, 40.3965
YIQ	150.4710, -68.6750, -38.4590

Conversions

Conversions Part 2

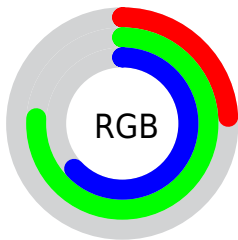
Format	Color
RYB	61, 137, 194
Decimal	4047521
CIELab	70.97, -43.59, 6.24
CIELCh	71, 44.033, 171.849
Yxy	42.1489, 0.2509, 0.3825
Android (android.graphics.Color)	4282237601 (0xFF3DC2A1)
YUV	150.4710, 5.1908, -78.4661
Hunter-Lab	64.9222, -37.5936, 8.5535

Details

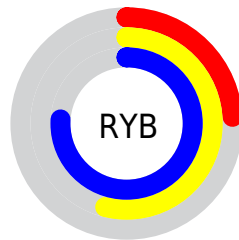
The XYZ color **27.6493, 42.1489, 40.3965** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **25.9387, 15.6161, 12.2385**, and the grayscale version is **29.1904, 30.7106, 33.4438**.

A 20% lighter version of the original color is **55.3493, 78.3122, 77.1643**, and **12.0471, 19.5910, 17.8983** is the 20% darker color. If you saturate the color by 10%, you get **26.2479, 41.4756, 38.1581**, and if you desaturate by 10%, it is **29.5012, 43.0546, 42.7432**.

Distribution



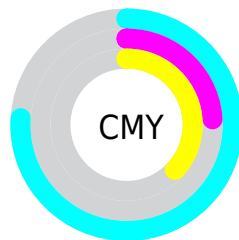
- Red (24%)
- Green (76%)
- Blue (63%)



- Red (24%)
- Yellow (54%)
- Blue (76%)



- Cyan (69%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)





- Cyan (76%)
- Magenta (24%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6493, 42.1489, 40.3965 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 27.6493, 42.1489, 40.3965 by changing the saturation by 10% instead.


 27.6493, 42.1489,
40.3965


 27.6493, 42.1489,
40.3965


282.8979,
355.0998, 363.3936


 18.2006, 29.2179,
27.5317


 55.3366, 78.4249,
77.0106


 11.1946, 19.2457,
17.7370


 74.3059, 102.5387,
101.5970


 6.2662, 11.8480,
10.5938


 97.1794, 131.1490,
130.9276

 3.0498, 6.6402,
5.6837

 124.3225,
164.6400, 165.4210

 1.1801, 3.2381,
2.5881

 156.1006,
203.3962, 205.4958

 0.0906, 1.2573,
0.8863

192.8789,

 0.0000, 0.1078,

247.8019, 251.5705

0.0000

235.0229,
298.2417, 304.0635

■ 0.0000, 0.0000,
0.0000

■ 27.6493, 42.1489,
40.3965

■ 27.6493, 42.1489,
40.3965

■ 26.2479, 41.4756,
38.1581

■ 29.5012, 43.0546,
42.7432

■ 25.2442, 41.0044,
36.0217

■ 31.8420, 44.2095,
45.1982

■ 24.5596, 40.6959,
33.9837

■ 34.7101, 45.6342,
47.7650

■ 24.4702, 40.6561,
33.6963

■ 38.1389, 47.3460,
50.4461

■ 42.1589, 49.3606,
53.2439

■ 46.7986, 51.6927,
56.1606

■ 52.0845, 54.3559,
59.1982

■ 58.0414, 57.3631,
62.3588

■ 64.6931, 60.7263,
65.6442

Harmonies

Analogous

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



29.9541, 42.1489, 25.1754



27.6493, 42.1489, 40.3965



28.3355, 42.1489, 62.6431

Triad

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



27.6493, 42.1489, 40.3965



45.5479, 42.1489, 94.5731



49.4294, 42.1489, 20.8771

Complementary

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



27.6493, 42.1489, 40.3965



25.9387, 15.6161, 12.2385

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.



54.6438, 42.1489, 32.4314



27.6493, 42.1489, 40.3965



52.2191, 42.1489, 75.6706

Square

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



27.6493, 42.1489, 40.3965



38.0930, 42.1489, 98.6724



55.7227, 42.1489, 51.8667



42.0962, 42.1489, 16.3789

Rectangle

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



27.6493, 42.1489, 40.3965



30.4392, 42.1489, 78.4947



55.7227, 42.1489, 51.8667



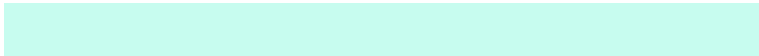
51.5234, 42.1489, 23.8596

Sweetspot

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



27.6505, 42.1505, 40.3975



74.2444, 88.3550, 95.0313



24.7772, 41.3152, 11.0844



15.8040, 19.1209, 20.4971



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.



27.6505, 42.1505, 40.3975



46.6060, 74.6927, 67.2705



24.3647, 30.2912, 55.6035



10.2583, 11.3844, 12.3634



16.1219, 26.7428, 22.3329



0.7227, 1.1659, 1.1024

Inverse Universe

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



25.9387, 15.6161, 12.2385



43.4121, 23.5496, 13.5197



27.1168, 19.8576, 6.8193



10.1734, 10.1180, 11.0038



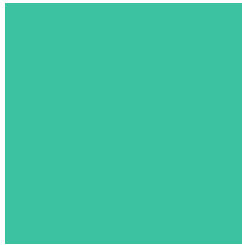
15.0082, 7.6930, 2.6892



0.6771, 0.3438, 0.2669

Previews

White Background



This preview shows how the XYZ color 27.6493, 42.1489, 40.3965 looks on a white background.

Color Contrast Check

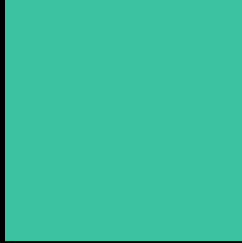
Large Text (above 18pt) WCAG AA × Fail

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 27.6493, 42.1489, 40.3965 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

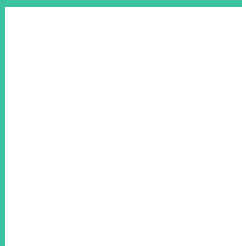
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6493, 42.1489, 40.3965

Background



This preview shows how black text looks on a background with the XYZ color 27.6493, 42.1489, 40.3965.

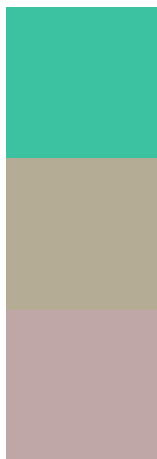


This preview shows how white text looks on a background with the XYZ color 27.6493, 42.1489,

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

27.6493, 42.1489, 40.3965

Protanopia

39.2334, 41.4987, 34.3760

Deuteranopia

42.2796, 41.5038, 42.3419



Tritanopia

32.0710, 41.9837, 62.9133

Trichromacy



Original Color

27.6493, 42.1489, 40.3965



Protanomaly

32.3876, 40.2608, 36.2011



Deuteranomaly

34.0153, 40.0902, 41.5427



Tritanomaly

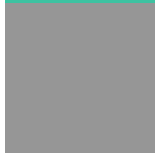
30.2382, 41.8742, 54.0658

Monochromacy



Original Color

27.6493, 42.1489, 40.3965



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.9402, 33.4571, 35.6098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6493, 42.1489, 40.3965 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(61, 194, 161)` looks like.

```
.text, #text, p{  
    color:rgb(61, 194, 161)  
}
```

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(61, 194, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 194, 161) }
```

Border

The CSS property to change the border of an element to XYZ 27.6493, 42.1489, 40.3965 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(61, 194, 161) }
```


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

```
.border{ border-color:rgb(61, 194, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 194, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 194, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 194, 161);  
box-shadow:4px 4px 4px 4px rgb(61, 194,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6493, 42.1489, 40.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 194, 161) }
```

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

```
.background{ background-color: rgb(61, 194,  
161) }
```

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