

Converting Colors

XYZ(26.6926, 33.8836, 41.7402)

Have a look what the booklet for
XYZ(26.6926, 33.8836, 41.7402)
contains.

XYZ(26.7565, 34.0495, 41.7212)	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(26.7565, 34.0495,
41.7212)**

Conversions

Conversions Part 1

Format	Color
Hex	67A9A7
RGB	103, 169, 167
RGB Percent	40%, 66%, 65%
CMY	0.5961, 0.3372, 0.3451
CMYK	0.39, 0.00, 0.01, 0.34
HSL	178°, 28%, 53%
HSV	178°, 39%, 66%
XYZ	26.7565, 34.0495, 41.7212
YIQ	149.0380, -38.6940, -14.6140

Conversions

Conversions Part 2

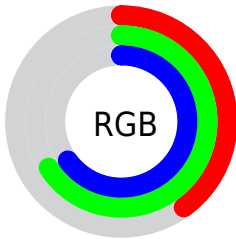
Format	Color
R_{YB}	103, 137, 169
Decimal	6793639
CIE _{Lab}	65.00, -21.45, -5.61
CIE _{LCh}	65, 22.174, 194.647
Yxy	34.0495, 0.2610, 0.3321
Android (android.graphics.Color)	4284983719 (0xFF67A9A7)
YUV	149.0380, 8.8553, -40.3753
Hunter-Lab	58.3519, -20.2671, -1.5455

Details

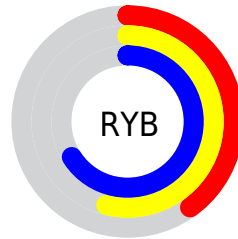
The XYZ color **26.7565, 34.0495, 41.7212** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.7634, 19.1564, 15.8109**, and the grayscale version is **28.5594, 30.0467, 32.7209**.

A 20% lighter version of the original color is **53.7451, 65.7533, 78.9662**, and **10.7224, 14.6134, 18.4752** is the 20% darker color. If you saturate the color by 10%, you get **24.9636, 33.1315, 41.3911**, and if you desaturate by 10%, it is **28.9434, 35.1723, 42.0722**.

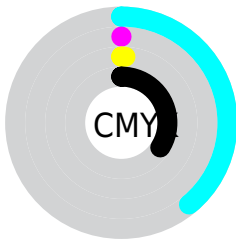
Distribution



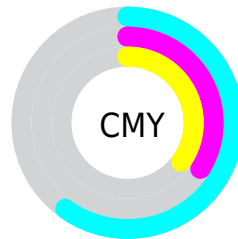
- Red (40%)
- Green (66%)
- Blue (65%)



- Red (40%)
- Yellow (54%)
- Blue (66%)



- Cyan (39%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)



- Cyan (60%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7565, 34.0495, 41.7212 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 26.7565, 34.0495, 41.7212 by changing the saturation by 10% instead.

■ 26.7565, 34.0495,
41.7212

■ 26.7565, 34.0495,
41.7212

278.6653,
320.3527, 369.0914

■ 17.5261, 22.9316,
28.5591

■ 53.9155, 66.0106,
79.0430

■ 10.7079, 14.5430,
18.5048

■ 72.5748, 87.6227,
104.0398

■ 5.9366, 8.4993,
11.1399

■ 95.1078, 113.5016,
133.8186

■ 2.8469, 4.4161,
6.0456

■ 121.8798,
144.0318, 168.7980

■ 1.0733, 1.9089,
2.8036

153.2562,
179.5975, 209.3964

■ 0.0026, 0.5537,
0.9953

189.6024,

■ 0.0000, 0.0000,

220.5834, 256.0324

0.0000

231.2836,
267.3736, 309.1246

■ 26.7565, 34.0495,
41.7212

■ 26.7565, 34.0495,
41.7212

■ 24.9636, 33.1315,
41.3911

■ 28.9434, 35.1723,
42.0722

■ 23.5379, 32.4020,
41.0785

■ 31.5432, 36.5069,
42.4427

■ 22.4541, 31.8487,
40.7828

■ 34.5768, 38.0653,
42.8346

■ 21.6824, 31.4563,
40.5027

■ 38.0632, 39.8571,
43.2486

■ 21.1879, 31.2067,
40.2366

■ 42.0201, 41.8914,
43.6856

■ 20.9027, 31.0650,
39.9812

■ 46.4643, 44.1768,
44.1464

■ 20.8783, 31.0530,
39.9572

■ 51.4118, 46.7217,
44.6317

■ 56.8777, 49.5339,
45.1423

■ 62.8380, 52.6008,
45.6770

Harmonies

Analogous

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



26.7738, 34.0495, 32.5926



26.7565, 34.0495, 41.7212



28.1715, 34.0495, 50.9198

Triad

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



26.7565, 34.0495, 41.7212



36.8924, 34.0495, 51.1100



34.0231, 34.0495, 22.5195

Complementary

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



26.7565, 34.0495, 41.7212



23.7634, 19.1564, 15.8109

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.



36.9510, 34.0495, 25.9976



26.7565, 34.0495, 41.7212



38.6805, 34.0495, 41.9487

Square

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



26.7565, 34.0495, 41.7212



33.9474, 34.0495, 56.9179



38.7027, 34.0495, 32.7856



30.8287, 34.0495, 22.4792

Rectangle

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



26.7565, 34.0495, 41.7212



29.7940, 34.0495, 55.4314



38.7027, 34.0495, 32.7856



35.0757, 34.0495, 23.2961

Sweetspot

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



26.7575, 34.0508, 41.7220



60.1188, 67.2433, 76.4851



22.4864, 32.3719, 17.8959



12.9553, 14.5801, 16.6515



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



26.7575, 34.0508, 41.7220



45.0599, 59.5153, 74.1963



21.8731, 23.9836, 41.0141



7.7376, 8.5281, 9.6042



15.5636, 23.1442, 29.7983



0.3816, 0.5643, 0.7405

Inverse Universe

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



23.7634, 19.1564, 15.8109



38.9267, 28.9908, 21.1089



27.3090, 26.4104, 16.4910



7.5400, 7.5459, 7.8948



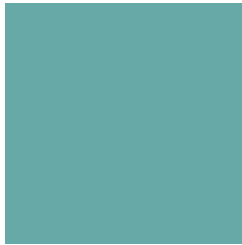
12.2192, 6.2964, 0.7001



0.3001, 0.1543, 0.0317

Previews

White Background



This preview shows how the XYZ color 26.7565, 34.0495, 41.7212 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 26.7565, 34.0495, 41.7212 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

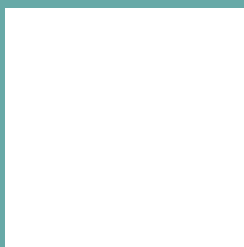
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.7565, 34.0495, 41.7212

Background



This preview shows how black text looks on a background with the XYZ color 26.7565, 34.0495, 41.7212.



This preview shows how white text looks on a background with the XYZ color 26.7565, 34.0495,

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

26.7565, 34.0495, 41.7212

Protanopia

32.4446, 33.6511, 37.5862

Deuteranopia

34.3728, 33.7917, 42.7410



Tritanopia

28.1203, 34.0585, 48.2719

Trichromacy



Original Color

26.7565, 34.0495, 41.7212

Protanomaly

29.9139, 33.5873, 39.0888

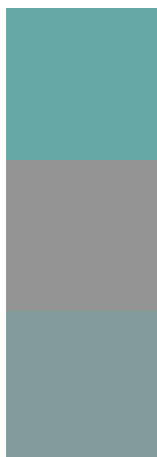
Deuteranomaly

30.8873, 33.5005, 42.3744

Tritanomaly

27.6844, 34.1646, 45.6927

Monochromacy



Original Color

26.7565, 34.0495, 41.7212

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.4049, 31.0828, 36.0077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7565, 34.0495, 41.7212 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(103, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(103, 169, 167)  
}
```

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(103, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 169, 167) }
```

Border

The CSS property to change the border of an element to XYZ 26.7565, 34.0495, 41.7212 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(103, 169, 167) }
```


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

```
.border{ border-color:rgb(103, 169, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 169, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 169, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 169, 167);  
box-shadow:4px 4px 4px 4px rgb(103, 169,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7565, 34.0495, 41.7212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 169, 167) }
```

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

```
.background{ background-color: rgb(103,  
169, 167) }
```

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