

Converting Colors

XYZ(27.7632, 40.0540, 26.4535)

Have a look what the booklet for
XYZ(27.7632, 40.0540, 26.4535)
contains.

XYZ(27.6963, 39.9013, 26.3206)	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(27.6963, 39.9013,
26.3206)**

Conversions

Conversions Part 1

Format	Color
Hex	6DBA7F
RGB	109, 186, 127
RGB Percent	43%, 73%, 50%
CMY	0.5725, 0.2706, 0.5020
CMYK	0.41, 0.00, 0.32, 0.27
HSL	134°, 36%, 58%
HSV	134°, 41%, 73%
XYZ	27.6963, 39.9013, 26.3206
YIQ	156.2510, -26.9530, -34.6730

Conversions

Conversions Part 2

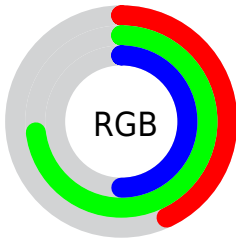
Format	Color
RYB	109, 171, 186
Decimal	7191167
CIELab	69.40, -36.61, 22.65
CIElCh	69, 43.055, 148.256
Yxy	39.9013, 0.2949, 0.4249
Android (android.graphics.Color)	4285381247 (0xFF6DBA7F)
YUV	156.2510, -14.4207, -41.4391
Hunter-Lab	63.1675, -32.2783, 19.5123

Details

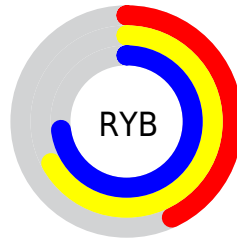
The XYZ color **27.6963, 39.9013, 26.3206** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **32.7875, 24.2043, 39.9910**, and the grayscale version is **31.7839, 33.4391, 36.4152**.

A 20% lighter version of the original color is **55.5987, 75.2890, 54.7819**, and **11.1664, 17.8506, 9.8782** is the 20% darker color. If you saturate the color by 10%, you get **24.7817, 38.4998, 21.6740**, and if you desaturate by 10%, it is **31.2285, 41.6083, 31.6838**.

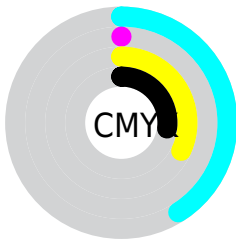
Distribution



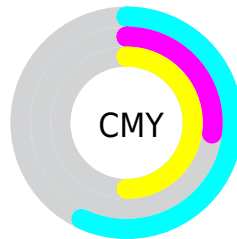
- Red (43%)
- Green (73%)
- Blue (50%)



- Red (43%)
- Yellow (67%)
- Blue (73%)



- Cyan (41%)
- Magenta (0%)
- Yellow (32%)
- Black (27%)



- Cyan (57%)
- Magenta (27%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6963, 39.9013, 26.3206 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 27.6963, 39.9013, 26.3206 by changing the saturation by 10% instead.

■ 27.6963, 39.9013,
26.3206

■ 27.6963, 39.9013,
26.3206

283.1193,
345.7074, 298.0078

■ 18.2361, 27.4616,
16.8357

■ 55.4112, 75.0132,
54.7821

■ 11.2204, 17.9202,
9.9567

■ 74.3967, 98.4542,
74.5958

■ 6.2836, 10.8927,
5.2650

■ 97.2880, 126.3310,
98.6896

■ 3.0606, 5.9947,
2.3421

■ 124.4505,
159.0282, 127.4819

■ 1.1859, 2.8419,
0.7547

156.2495,
196.9300, 161.3914

■ 0.0952, 1.0497,
0.0000

193.0504,

■ 0.0000, 0.0000,

240.4209, 200.8365

0.0000

235.2186,
289.8852, 246.2357

■ 27.6963, 39.9013,
26.3206

■ 27.6963, 39.9013,
26.3206

■ 24.7817, 38.4998,
21.6740

■ 31.2285, 41.6083,
31.6838

■ 22.4455, 37.3807,
17.7110

■ 35.4086, 43.6324,
37.7893

■ 20.6483, 36.5256,
14.3998


■ 40.2684, 45.9906,
44.6651


■ 19.3446, 35.9118,
11.7053


■ 45.8368, 48.6972,
52.3368

■ 18.4808, 35.5125,
9.5888

■ 52.1409, 51.7656,
60.8287

 18.0046, 35.2973,
8.1962

 59.2065, 55.2088,
70.1643

 67.0580, 59.0387,
80.3659

 74.6797, 62.7314,
91.4065

 76.8497, 63.5993,
102.8332

Harmonies

Analogous

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



31.9673, 39.9013, 17.7792



27.6963, 39.9013, 26.3206



26.1179, 39.9013, 42.2962

Triad

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



27.6963, 39.9013, 26.3206



37.5215, 39.9013, 93.7597



50.8962, 39.9013, 27.7852

Complementary

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



27.6963, 39.9013, 26.3206



32.7875, 24.2043, 39.9910

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.



52.8423, 39.9013, 44.6159



27.6963, 39.9013, 26.3206



44.5804, 39.9013, 86.4060

Square

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



27.6963, 39.9013, 26.3206



31.3455, 39.9013, 84.5848



50.4051, 39.9013, 66.7406



45.3662, 39.9013, 18.4262

Rectangle

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



27.6963, 39.9013, 26.3206



26.6389, 39.9013, 56.5122



50.4051, 39.9013, 66.7406



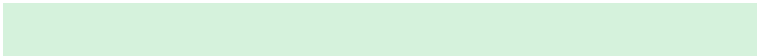
52.0187, 39.9013, 32.5667

Sweetspot

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



27.6973, 39.9030, 26.3215



72.2345, 82.9923, 79.9052



36.4762, 44.5523, 21.1452



15.6404, 18.1467, 17.2226



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.6973, 39.9030, 26.3215



45.1893, 69.9112, 39.7308



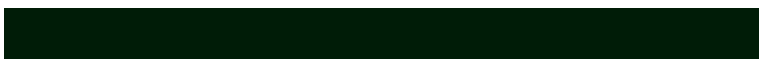
30.7008, 41.1044, 42.1376



8.9741, 10.0936, 10.0209



12.1371, 23.7558, 5.6439



0.4524, 0.8473, 0.3280

Inverse Universe

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



32.7875, 24.2043, 39.9910



55.6857, 37.4784, 67.8738



29.7174, 22.9763, 23.8244



9.2887, 9.1259, 10.8677



16.9644, 8.3595, 18.2313



0.6202, 0.3036, 0.7596

Previews

White Background



This preview shows how the XYZ color 27.6963, 39.9013, 26.3206 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 27.6963, 39.9013, 26.3206 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 27.6963, 39.9013, 26.3206

Background



This preview shows how black text looks on a background with the XYZ color 27.6963, 39.9013, 26.3206.



This preview shows how white text looks on a background with the XYZ color 27.6963, 39.9013,

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

27.6963, 39.9013, 26.3206

Protanopia

36.6238, 39.2823, 23.1047

Deuteranopia

40.1111, 39.3769, 27.3162



Tritanopia

33.6032, 39.8575, 55.7914

Trichromacy



Original Color

27.6963, 39.9013, 26.3206



Protanomaly

32.3604, 39.0336, 24.2410



Deuteranomaly

34.1092, 38.7369, 26.7983



Tritanomaly

31.0630, 39.7265, 43.0766

Monochromacy



Original Color

27.6963, 39.9013, 26.3206



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.5770, 35.1707, 32.0178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6963, 39.9013, 26.3206 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(109, 186, 127)` looks like.

```
.text, #text, p{  
    color:rgb(109, 186, 127)  
}
```

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(109, 186, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 186, 127) }
```

Border

The CSS property to change the border of an element to XYZ 27.6963, 39.9013, 26.3206 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(109, 186, 127) }
```


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

```
.border{ border-color:rgb(109, 186, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 186, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 186, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 186, 127);  
box-shadow:4px 4px 4px 4px rgb(109, 186,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6963, 39.9013, 26.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 186, 127) }
```

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

```
.background{ background-color: rgb(109,  
186, 127) }
```

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