

Converting Colors

XYZ(27.9004, 39.3154, 30.6029)

Have a look what the booklet for
XYZ(27.9004, 39.3154, 30.6029)
contains.

XYZ(27.8641, 39.2709, 30.5375)	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(27.8641, 39.2709,
30.5375)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB88B
RGB	107, 184, 139
RGB Percent	42%, 72%, 55%
CMY	0.5804, 0.2784, 0.4549
CMYK	0.42, 0.00, 0.24, 0.28
HSL	145°, 35%, 57%
HSV	145°, 42%, 72%
XYZ	27.8641, 39.2709, 30.5375
YIQ	155.8470, -31.4470, -30.3190

Conversions

Conversions Part 2

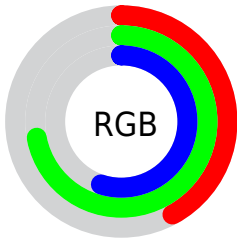
Format	Color
RYB	107, 161, 184
Decimal	7059595
CIELab	68.95, -34.00, 15.55
CIELCh	69, 37.383, 155.427
Yxy	39.2709, 0.2853, 0.4021
Android (android.graphics.Color)	4285249675 (0xFF6BB88B)
YUV	155.8470, -8.3056, -42.8388
Hunter-Lab	62.6665, -30.2979, 14.9744

Details

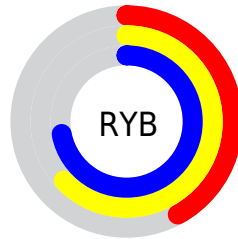
The XYZ color **27.8641, 39.2709, 30.5375** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **30.6937, 22.9736, 32.5240**, and the grayscale version is **31.5785, 33.2230, 36.1798**.

A 20% lighter version of the original color is **55.6860, 73.8518, 61.7719**, and **11.2540, 17.4434, 12.2250** is the 20% darker color. If you saturate the color by 10%, you get **25.1355, 37.9517, 26.5083**, and if you desaturate by 10%, it is **31.1428, 40.8669, 34.9976**.

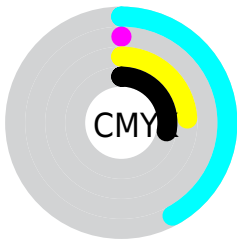
Distribution



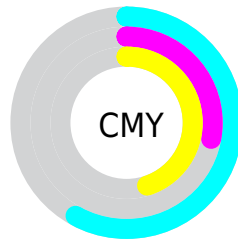
- Red (42%)
- Green (72%)
- Blue (55%)



- Red (42%)
- Yellow (63%)
- Blue (72%)



- Cyan (42%)
- Magenta (0%)
- Yellow (24%)
- Black (28%)



- Cyan (58%)
- Magenta (28%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8641, 39.2709, 30.5375 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 27.8641, 39.2709, 30.5375 by changing the saturation by 10% instead.

■ 27.8641, 39.2709,
30.5375

■ 27.8641, 39.2709,
30.5375

283.9088,
343.0409, 318.6868

■ 18.3632, 26.9705,
19.9914

■ 55.6776, 74.0520,
61.5822

■ 11.3123, 17.5511,
12.2048

■ 74.7208, 97.3015,
82.9179

■ 6.3461, 10.6282,
6.7591

■ 97.6755, 124.9695,
108.6872

■ 3.0993, 5.8174,
3.2357

■ 124.9071,
157.4404, 139.3086

■ 1.2065, 2.7344,
1.2162

156.7808,
195.0986, 175.2008

■ 0.1115, 0.9947,
0.0000

193.6622,

■ 0.0000, 0.0000,

238.3285, 216.7822

0.0000

235.9164,
287.5144, 264.4714

■ 27.8641, 39.2709,
30.5375

■ 27.8641, 39.2709,
30.5375

■ 25.1355, 37.9517,
26.5083

■ 31.1428, 40.8669,
34.9976

■ 22.9216, 36.8881,
22.8944

■ 34.9981, 42.7499,
39.8985

■ 21.1874, 36.0634,
19.6827


■ 39.4585, 44.9354,
45.2531

■ 19.8920, 35.4568,
16.8586


■ 44.5495, 47.4364,
51.0729


■ 18.9872, 35.0436,
14.4063


■ 50.2953, 50.2651,
57.3689

 18.4621, 34.8108,
12.6690

 56.7187, 53.4330,
64.1518

 63.8413, 56.9511,
71.4320

 71.6840, 60.8299,
79.2194

 73.4903, 61.5861,
87.2068

Harmonies

Analogous

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



31.0832, 39.2709, 21.2436



27.8641, 39.2709, 30.5375



27.0620, 39.2709, 45.9314

Triad

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



27.8641, 39.2709, 30.5375



38.4176, 39.2709, 84.3389



47.4383, 39.2709, 26.4494

Complementary

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



27.8641, 39.2709, 30.5375



30.6937, 22.9736, 32.5240

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.



49.9032, 39.2709, 39.7368



27.8641, 39.2709, 30.5375



44.3529, 39.2709, 75.3734

Square

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



27.8641, 39.2709, 30.5375



32.7705, 39.2709, 79.9831



48.7183, 39.2709, 57.8717



42.2848, 39.2709, 19.3597

Rectangle

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



27.8641, 39.2709, 30.5375



27.9234, 39.2709, 58.4145



48.7183, 39.2709, 57.8717



48.6324, 39.2709, 30.1855

Sweetspot

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



27.8651, 39.2725, 30.5384



70.3524, 80.8784, 80.6516



32.9704, 42.1361, 20.3057



14.7700, 17.2413, 16.9169



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.8651, 39.2725, 30.5384



46.0200, 69.0153, 48.7558



31.0714, 40.5550, 47.4221



9.0410, 10.1204, 10.3732



12.7569, 24.0037, 8.9077



0.4807, 0.8586, 0.4773

Inverse Universe

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



30.6937, 22.9736, 32.5240



51.8145, 35.5827, 52.7915



28.1033, 21.9375, 18.8830



9.2188, 9.0979, 10.4995



15.5077, 7.7768, 10.5604



0.5768, 0.2862, 0.5306

Previews

White Background



This preview shows how the XYZ color 27.8641, 39.2709, 30.5375 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 27.8641, 39.2709, 30.5375 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 27.8641, 39.2709, 30.5375

Background



This preview shows how black text looks on a background with the XYZ color 27.8641, 39.2709, 30.5375.



This preview shows how white text looks on a background with the XYZ color 27.8641, 39.2709,

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

27.8641, 39.2709, 30.5375

Protanopia

36.2755, 38.7411, 27.0386

Deuteranopia

39.5171, 38.7098, 31.7745



Tritanopia

32.7339, 39.1278, 55.1174

Trichromacy



Original Color

27.8641, 39.2709, 30.5375



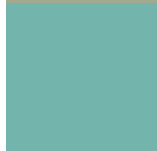
Protanomaly

32.1955, 38.2838, 28.2469



Deuteranomaly

33.7684, 37.9060, 31.1280



Tritanomaly

30.8379, 39.2659, 44.9835

Monochromacy



Original Color

27.8641, 39.2709, 30.5375



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.6225, 34.8777, 34.0250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8641, 39.2709, 30.5375 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(107, 184, 139)` looks like.

```
.text, #text, p{  
    color:rgb(107, 184, 139)  
}
```

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(107, 184, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 184, 139) }
```

Border

The CSS property to change the border of an element to XYZ 27.8641, 39.2709, 30.5375 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(107, 184, 139) }
```


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

```
.border{ border-color:rgb(107, 184, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 184, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 184, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 184, 139);  
box-shadow:4px 4px 4px 4px rgb(107, 184,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8641, 39.2709, 30.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 184, 139) }
```

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

```
.background{ background-color: rgb(107,  
184, 139) }
```

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