

Converting Colors

XYZ(27.5683, 39.3444, 22.3057)

Have a look what the booklet for
XYZ(27.5683, 39.3444, 22.3057)
contains.

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Color

**XYZ(27.5711, 39.3007,
22.3523)**

Conversions

Conversions Part 1

Format	Color
Hex	75B873
RGB	117, 184, 115
RGB Percent	46%, 72%, 45%
CMY	0.5412, 0.2784, 0.5490
CMYK	0.36, 0.00, 0.38, 0.28
HSL	118°, 33%, 59%
HSV	118°, 38%, 72%
XYZ	27.5711, 39.3007, 22.3523
YIQ	156.1010, -17.7830, -35.6630

Conversions

Conversions Part 2

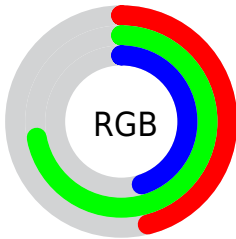
Format	Color
RYB	115, 184, 182
Decimal	7714931
CIELab	68.97, -35.26, 28.52
CIElCh	69, 45.346, 141.036
Yxy	39.3007, 0.3090, 0.4405
Android (android.graphics.Color)	4285905011 (0xFF75B873)
YUV	156.1010, -20.2628, -34.2916
Hunter-Lab	62.6903, -31.2039, 22.7433

Details

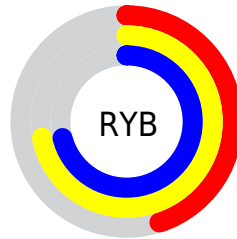
The XYZ color **27.5711, 39.3007, 22.3523** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **34.0757, 25.6685, 48.5080**, and the grayscale version is **31.7391, 33.3921, 36.3639**.

A 20% lighter version of the original color is **55.0226, 73.8053, 48.3916**, and **11.0804, 17.4486, 7.9382** is the 20% darker color. If you saturate the color by 10%, you get **24.4406, 37.7984, 17.2198**, and if you desaturate by 10%, it is **31.3732, 41.1271, 28.6211**.

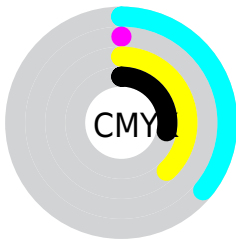
Distribution



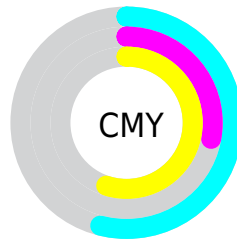
- Red (46%)
- Green (72%)
- Blue (45%)



- Red (45%)
- Yellow (72%)
- Blue (71%)



- Cyan (36%)
- Magenta (0%)
- Yellow (38%)
- Black (28%)



- Cyan (54%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5711, 39.3007, 22.3523 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 27.5711, 39.3007, 22.3523 by changing the saturation by 10% instead.

■ 27.5711, 39.3007,
22.3523

■ 27.5711, 39.3007,
22.3523

282.5291,
343.1672, 277.3939

■ 18.1414, 26.9937,
13.9152

■ 55.2124, 74.0975,
48.2372

■ 11.1519, 17.5685,
7.9236

■ 74.1547, 97.3560,
66.5221

■ 6.2371, 10.6407,
3.9591

■ 96.9986, 125.0340,
88.9267

■ 3.0318, 5.8258,
1.6029

124.1094,
157.5156, 115.8695

■ 1.1706, 2.7394,
0.2929

155.8525,
195.1853, 147.7691

■ 0.0830, 0.9973,
0.0000

192.5933,

■ 0.0000, 0.0000,

238.4276, 185.0440

0.0000

234.6970,
287.6268, 228.1127

■ 27.5711, 39.3007,
22.3523

■ 27.5711, 39.3007,
22.3523

■ 24.4406, 37.7984,
17.2198

■ 31.3732, 41.1271,
28.6211

■ 21.9398, 36.5966,
13.1531

■ 35.8796, 43.2897,
36.0858

■ 20.0271, 35.6766,
10.0782


■ 41.1244, 45.8059,
44.8050

■ 18.6542, 35.0155,
7.9101


■ 47.1387, 48.6907,
54.8325


■ 17.7657, 34.5866,
6.5501

■ 53.9517, 51.9580,
66.2193

 17.2891, 34.3559,
5.8522

 61.5912, 55.6210,
79.0134

 17.2080, 34.3170,
5.7169

 70.0837, 59.6925,
93.2605

 76.4313, 62.7626,
102.6938

Harmonies

Analogous

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



32.5917, 39.3007, 15.3866



27.5711, 39.3007, 22.3523



25.2566, 39.3007, 36.8941

Triad

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



27.5711, 39.3007, 22.3523



35.2337, 39.3007, 95.2675



51.8585, 39.3007, 30.0542

Complementary

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



27.5711, 39.3007, 22.3523



34.0757, 25.6685, 48.5080

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.



52.8041, 39.3007, 49.2867



27.5711, 39.3007, 22.3523



42.5592, 39.3007, 91.6271

Square

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



27.5711, 39.3007, 22.3523



29.2909, 39.3007, 81.7214



49.2144, 39.3007, 72.9587



46.7760, 39.3007, 18.7345

Rectangle

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



27.5711, 39.3007, 22.3523



25.3238, 39.3007, 50.8581



49.2144, 39.3007, 72.9587



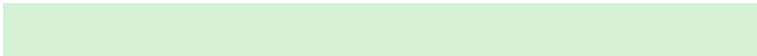
52.6944, 39.3007, 35.6269

Sweetspot

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



27.5721, 39.3024, 22.3532



70.8842, 81.2754, 75.1244



39.5300, 44.7633, 22.7770



15.0038, 17.3882, 15.7341



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.



27.5721, 39.3024, 22.3532



45.2105, 68.9526, 32.6970



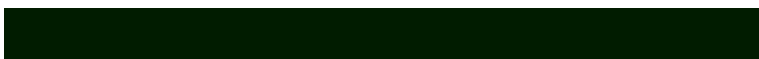
29.4942, 40.0405, 33.8614



8.9138, 10.0722, 9.5812



11.8695, 23.6553, 3.9403



0.4266, 0.8381, 0.1393

Inverse Universe

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



34.0757, 25.6685, 48.5080



58.6961, 40.6629, 86.9597



31.5504, 24.7133, 32.7285



9.3545, 9.1491, 11.3524



18.7335, 8.9687, 31.9968



0.6685, 0.3203, 1.1283

Previews

White Background



This preview shows how the XYZ color 27.5711, 39.3007, 22.3523 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 27.5711, 39.3007, 22.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

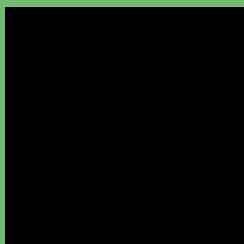
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.5711, 39.3007, 22.3523

Background



This preview shows how black text looks on a background with the XYZ color 27.5711, 39.3007, 22.3523.



This preview shows how white text looks on a background with the XYZ color 27.5711, 39.3007,

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

27.5711, 39.3007, 22.3523

Protanopia

35.8169, 38.6652, 19.7627

Deuteranopia

39.5142, 38.6398, 23.1449



Tritanopia

33.8754, 39.1594, 53.9172

Trichromacy



Original Color

27.5711, 39.3007, 22.3523

Protanomaly

31.9134, 38.3039, 20.7503

Deuteranomaly

33.8202, 38.1190, 22.7147

Tritanomaly

31.0462, 38.8850, 40.0517

Monochromacy



Original Color

27.5711, 39.3007, 22.3523

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.5993, 34.9463, 30.3846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5711, 39.3007, 22.3523 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(117, 184, 115)` looks like.

```
.text, #text, p{  
    color:rgb(117, 184, 115)  
}
```

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(117, 184, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 184, 115) }
```

Border

The CSS property to change the border of an element to XYZ 27.5711, 39.3007, 22.3523 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(117, 184, 115) }
```


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

```
.border{ border-color:rgb(117, 184, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 184, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 184, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 184, 115);  
box-shadow:4px 4px 4px 4px rgb(117, 184,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5711, 39.3007, 22.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 184, 115) }
```

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

```
.background{ background-color: rgb(117,  
184, 115) }
```

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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