

Converting Colors

XYZ(27.7310, 40.0856, 22.5164)

Have a look what the booklet for
XYZ(27.7310, 40.0856, 22.5164)
contains.

XYZ(27.7236, 40.0005, 22.4793)	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(27.7236, 40.0005,
22.4793)**

Conversions

Conversions Part 1

Format	Color
Hex	73BA73
RGB	115, 186, 115
RGB Percent	45%, 73%, 45%
CMY	0.5490, 0.2706, 0.5490
CMYK	0.38, 0.00, 0.38, 0.27
HSL	120°, 34%, 59%
HSV	120°, 38%, 73%
XYZ	27.7236, 40.0005, 22.4793
YIQ	156.6770, -19.5250, -37.1330

Conversions

Conversions Part 2

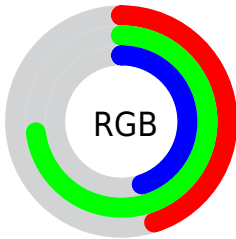
Format	Color
RYB	115, 186, 186
Decimal	7584371
CIELab	69.47, -36.81, 29.16
CIELCh	69, 46.958, 141.618
Yxy	40.0005, 0.3073, 0.4434
Android (android.graphics.Color)	4285774451 (0xFF73BA73)
YUV	156.6770, -20.5468, -36.5507
Hunter-Lab	63.2459, -32.4357, 23.1989

Details

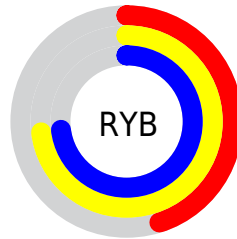
The XYZ color **27.7236, 40.0005, 22.4793** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **35.2446, 26.2464, 49.6641**, and the grayscale version is **31.9991, 33.6656, 36.6618**.

A 20% lighter version of the original color is **55.6960, 75.4744, 48.6783**, and **11.2212, 17.9200, 8.0217** is the 20% darker color. If you saturate the color by 10%, you get **24.5557, 38.4800, 17.2968**, and if you desaturate by 10%, it is **31.6031, 41.8652, 28.8241**.

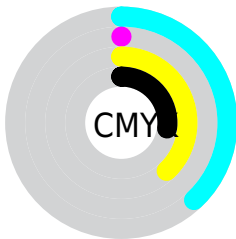
Distribution



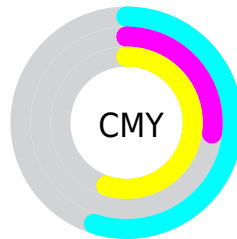
- Red (45%)
- Green (73%)
- Blue (45%)



- Red (45%)
- Yellow (73%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (38%)
- Black (27%)





- Cyan (55%)
- Magenta (27%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7236, 40.0005, 22.4793 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 27.7236, 40.0005, 22.4793 by changing the saturation by 10% instead.


 27.7236, 40.0005,
22.4793


 27.7236, 40.0005,
22.4793


283.2479,
346.1257, 278.0739


 18.2568, 27.5389,
14.0078


 55.4546, 75.1643,
48.4492

 11.2353, 17.9784,
7.9873


 74.4495, 98.6353,
66.7847

 6.2938, 10.9345,
3.9992


 97.3511, 126.5449,
89.2454

 3.0669, 6.0228,
1.6249

124.5249,
159.2775, 116.2496

 1.1892, 2.8589,
0.3085

156.3361,
197.2174, 148.2161

 0.0978, 1.0585,
0.0000

193.1500,

 0.0000, 0.0000,

240.7492, 185.5632

0.0000

235.3322,
290.2572, 228.7097

■ 27.7236, 40.0005,
22.4793

■ 27.7236, 40.0005,
22.4793

■ 24.5557, 38.4800,
17.2968

■ 31.6031, 41.8652,
28.8241

■ 22.0533, 37.2780,
13.2036

■ 36.2303, 44.0879,
36.3928

■ 20.1699, 36.3733,
10.1229


■ 41.6429, 46.6878,
45.2459


■ 18.8516, 35.7400,
7.9665


■ 47.8748, 49.6813,
55.4392


■ 18.0354, 35.3480,
6.6315

■ 54.9581, 53.0838,
67.0251

 17.6209, 35.1489,
5.9534

 62.9232, 56.9099,
80.0533

 17.5598, 35.1195,
5.8534

 71.7990, 61.1734,
94.5709

 76.8497, 63.5995,
102.8332

Harmonies

Analogous

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



32.9106, 40.0005, 15.1806



27.7236, 40.0005, 22.4793



25.3737, 40.0005, 37.7620

Triad

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



27.7236, 40.0005, 22.4793



35.9392, 40.0005, 99.0964



53.1998, 40.0005, 29.9444

Complementary

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



27.7236, 40.0005, 22.4793



35.2446, 26.2464, 49.6641

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.



54.2923, 40.0005, 49.9093



27.7236, 40.0005, 22.4793



43.6310, 40.0005, 94.8610

Square

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



27.7236, 40.0005, 22.4793



29.6880, 40.0005, 85.0242



50.5924, 40.0005, 74.8582



47.7793, 40.0005, 18.3893

Rectangle

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



27.7236, 40.0005, 22.4793



25.4828, 40.0005, 52.4886



50.5924, 40.0005, 74.8582



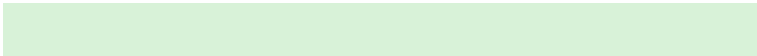
54.1117, 40.0005, 35.6951

Sweetspot

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



27.7246, 40.0022, 22.4802



72.3716, 83.1290, 76.9282



40.9049, 46.7969, 23.0965



15.6378, 18.1625, 16.4507



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.



27.7246, 40.0022, 22.4802



45.2424, 70.0975, 32.5537



30.1755, 40.9826, 35.3866



8.8904, 10.0601, 9.5802



11.8131, 23.6262, 3.9378



0.4164, 0.8329, 0.1388

Inverse Universe

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



35.2446, 26.2464, 49.6641



60.8595, 41.5301, 89.0077



31.9270, 24.9193, 32.1938



9.3810, 9.1628, 11.3535



19.5857, 9.4081, 32.0350



0.6904, 0.3317, 1.1293

Previews

White Background



This preview shows how the XYZ color 27.7236, 40.0005, 22.4793 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 27.7236, 40.0005, 22.4793 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 27.7236, 40.0005, 22.4793

Background



This preview shows how black text looks on a background with the XYZ color 27.7236, 40.0005, 22.4793.



This preview shows how white text looks on a background with the XYZ color 27.7236, 40.0005,

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

27.7236, 40.0005, 22.4793

Protanopia

36.6619, 39.6490, 19.9081

Deuteranopia

40.4589, 39.6386, 23.6078



Tritanopia

34.3320, 39.9517, 55.1922

Trichromacy



Original Color

27.7236, 40.0005, 22.4793

Protanomaly

32.4973, 39.1786, 20.8884

Deuteranomaly

34.4702, 39.0038, 23.1645

Tritanomaly

31.3896, 39.6468, 40.6485

Monochromacy



Original Color

27.7236, 40.0005, 22.4793

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.0404, 35.7090, 30.9004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7236, 40.0005, 22.4793 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(115, 186, 115)` looks like.

```
.text, #text, p{  
    color:rgb(115, 186, 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(115, 186, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 186, 115) }
```

Border

The CSS property to change the border of an element to XYZ 27.7236, 40.0005, 22.4793 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(115, 186, 115) }
```


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

```
.border{ border-color:rgb(115, 186, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 186, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 186, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 186, 115); box-shadow:4px 4px 4px 4px rgb(115, 186, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7236, 40.0005, 22.4793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 186, 115) }
```

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

```
.background{ background-color: rgb(115,  
186, 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](#).

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