

Converting Colors

XYZ(27.5008, 43.1884, 20.2408)

Have a look what the booklet for
XYZ(27.5008, 43.1884, 20.2408)
contains.

XYZ(27.5453, 43.2091, 20.2530)	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(27.5453, 43.2091,
20.2530)**

Conversions

Conversions Part 1

Format	Color
Hex	64C469
RGB	100, 196, 105
RGB Percent	39%, 77%, 41%
CMY	0.6078, 0.2314, 0.5882
CMYK	0.49, 0.00, 0.46, 0.23
HSL	123°, 45%, 58%
HSV	123°, 49%, 77%
XYZ	27.5453, 43.2091, 20.2530
YIQ	156.9220, -28.0050, -48.6530

Conversions

Conversions Part 2

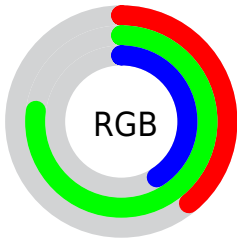
Format	Color
RYB	100, 191, 196
Decimal	6603881
CIELab	71.70, -47.12, 37.03
CIELCh	72, 59.933, 141.835
Yxy	43.2091, 0.3027, 0.4748
Android (android.graphics.Color)	4284793961 (0xFF64C469)
YUV	156.9220, -25.5975, -49.9206
Hunter-Lab	65.7336, -40.2345, 27.7459

Details

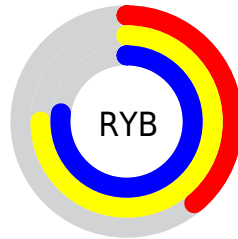
The XYZ color **27.5453, 43.2091, 20.2530** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.7275, 24.6126, 52.1066**, and the grayscale version is **32.1342, 33.8077, 36.8166**.

A 20% lighter version of the original color is **55.2015, 79.8873, 44.8581**, and **11.0895, 19.7767, 6.8472** is the 20% darker color. If you saturate the color by 10%, you get **24.7798, 41.8832, 15.6720**, and if you desaturate by 10%, it is **31.0431, 44.8909, 25.9591**.

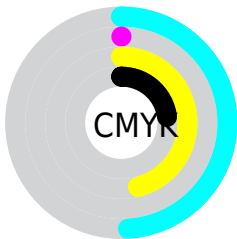
Distribution



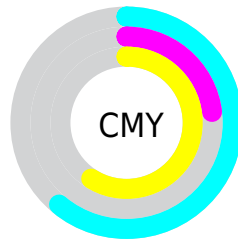
- Red (39%)
- Green (77%)
- Blue (41%)



- Red (39%)
- Yellow (75%)
- Blue (77%)



- Cyan (49%)
- Magenta (0%)
- Yellow (46%)
- Black (23%)



- Cyan (61%)
- Magenta (23%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5453, 43.2091, 20.2530 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 27.5453, 43.2091, 20.2530 by changing the saturation by 10% instead.

■ 27.5453, 43.2091,
20.2530

■ 27.5453, 43.2091,
20.2530

282.4074,
359.4710, 265.9309

■ 18.1219, 30.0492,
12.3932

■ 55.1714, 80.0263,
44.7055

■ 11.1377, 19.8759,
6.8863

■ 74.1048, 104.4524,
62.1352

■ 6.2275, 12.3049,
3.3137

■ 96.9389, 133.4027,
83.5920

■ 3.0259, 6.9517,
1.2570

■ 124.0391,
167.2616, 109.4944

■ 1.1675, 3.4319,
0.0261

155.7706,
206.4135, 140.2610

■ 0.0805, 1.3612,
0.0000

192.4990,

■ 0.0000, 0.1878,

251.2427, 176.3102

0.0000

234.5895,
302.1338, 218.0607

■ 0.0000, 0.0000,
0.0000

■ 27.5453, 43.2091,
20.2530

■ 27.5453, 43.2091,
20.2530

■ 24.7798, 41.8832,
15.6720

■ 31.0431, 44.8909,
25.9591

■ 22.6916, 40.8828,
12.1391

■ 35.3166, 46.9458,
32.8547

■ 21.2232, 40.1811,
9.5722


■ 40.4098, 49.3963,
41.0029


■ 20.3061, 39.7449,
7.8760

■ 46.3625, 52.2619,
50.4615


■ 19.8328, 39.5212,
6.9343


■ 53.2117, 55.5603,
61.2847

 19.7967, 39.5039,
6.8748

 60.9924, 59.3086,
73.5235

 69.7377, 63.5227,
87.2265

 78.8121, 67.8741,
102.4086

 79.0308, 67.9615,
103.5603

Harmonies

Analogous

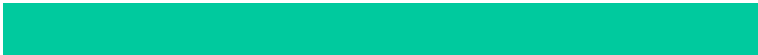
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.2235, 43.2091, 11.8797



27.5453, 43.2091, 20.2530



24.6084, 43.2091, 39.5404

Triad

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



27.5453, 43.2091, 20.2530



38.3565, 43.2091, 126.9956



62.0018, 43.2091, 29.1564

Complementary

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



27.5453, 43.2091, 20.2530



36.7275, 24.6126, 52.1066

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.



63.5990, 43.2091, 55.4490



27.5453, 43.2091, 20.2530



48.7713, 43.2091, 120.4309

Square

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



27.5453, 43.2091, 20.2530



30.1419, 43.2091, 106.1655



58.4218, 43.2091, 90.7768



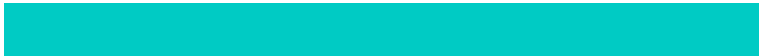
54.3613, 43.2091, 15.3453

Rectangle

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



27.5453, 43.2091, 20.2530



24.7631, 43.2091, 59.4791



58.4218, 43.2091, 90.7768



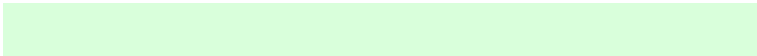
63.3087, 43.2091, 36.4810

Sweetspot

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



27.5464, 43.2109, 20.2540



77.0533, 91.3344, 80.4085



43.5782, 51.5044, 19.7015



16.0154, 19.3196, 16.4514



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.5464, 43.2109, 20.2540



44.4792, 75.6746, 27.7050



30.7299, 44.4843, 37.0183



9.9652, 11.2671, 10.8202



12.7296, 25.3859, 4.4694



0.5575, 1.0998, 0.2325

Inverse Universe

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



36.7275, 24.6126, 52.1066



63.0594, 37.9972, 92.1378



32.2965, 22.8402, 28.7734



10.4739, 10.2382, 12.5861



20.3181, 9.8170, 30.6506



0.8849, 0.4270, 1.3615

Previews

White Background



This preview shows how the XYZ color 27.5453, 43.2091, 20.2530 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 27.5453, 43.2091, 20.2530 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 27.5453, 43.2091, 20.2530

Background



This preview shows how black text looks on a background with the XYZ color 27.5453, 43.2091, 20.2530.



This preview shows how white text looks on a background with the XYZ color 27.5453, 43.2091,

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

27.5453, 43.2091, 20.2530

Protanopia

39.2259, 42.7295, 17.4895

Deuteranopia

43.3217, 42.5089, 21.2510



Tritanopia

35.6594, 42.9330, 61.0510

Trichromacy



Original Color

27.5453, 43.2091, 20.2530



Protanomaly

33.5318, 42.1580, 18.4266



Deuteranomaly

35.2583, 41.4910, 20.6182



Tritanomaly

31.7992, 42.6225, 42.1483

Monochromacy



Original Color

27.5453, 43.2091, 20.2530



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.3037, 36.1950, 29.4866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5453, 43.2091, 20.2530 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(100, 196, 105)` looks like.

```
.text, #text, p{  
    color:rgb(100, 196, 105)  
}
```

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(100, 196, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 196, 105) }
```

Border

The CSS property to change the border of an element to XYZ 27.5453, 43.2091, 20.2530 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(100, 196, 105) }
```


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

```
.border{ border-color:rgb(100, 196, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 196, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 196, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 196, 105);  
box-shadow:4px 4px 4px 4px rgb(100, 196,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5453, 43.2091, 20.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 196, 105) }
```

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

```
.background{ background-color: rgb(100,  
196, 105) }
```

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