

Converting Colors

XYZ(27.8425, 43.5077, 19.0221)

Have a look what the booklet for
XYZ(27.8425, 43.5077, 19.0221)
contains.

XYZ(27.7491, 43.3430, 18.9601)	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(27.7491, 43.3430,
18.9601)**

Conversions

Conversions Part 1

Format	Color
Hex	68C464
RGB	104, 196, 100
RGB Percent	41%, 77%, 39%
CMY	0.5922, 0.2314, 0.6078
CMYK	0.47, 0.00, 0.49, 0.23
HSL	118°, 45%, 58%
HSV	118°, 49%, 77%
XYZ	27.7491, 43.3430, 18.9601
YIQ	157.5480, -24.0160, -49.3600

Conversions

Conversions Part 2

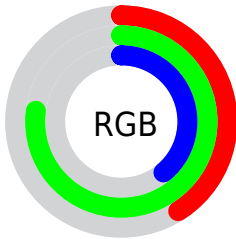
Format	Color
RYB	100, 196, 192
Decimal	6866020
CIELab	71.79, -46.70, 39.67
CIElCh	72, 61.275, 139.649
Yxy	43.3430, 0.3081, 0.4813
Android (android.graphics.Color)	4285056100 (0xFF68C464)
YUV	157.5480, -28.3712, -46.9616
Hunter-Lab	65.8354, -39.9756, 29.0097

Details

The XYZ color **27.7491, 43.3430, 18.9601** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.2613, 24.3078, 55.0075**, and the grayscale version is **32.4277, 34.1165, 37.1528**.

A 20% lighter version of the original color is **55.3723, 80.0241, 42.6648**, and **11.1828, 19.8379, 6.2573** is the 20% darker color. If you saturate the color by 10%, you get **24.9697, 42.0082, 14.4599**, and if you desaturate by 10%, it is **31.2445, 45.0231, 24.6868**.

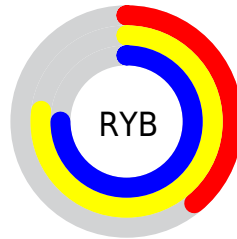
Distribution



Red (41%)

Green (77%)

Blue (39%)



Red (39%)

Yellow (77%)

Blue (75%)

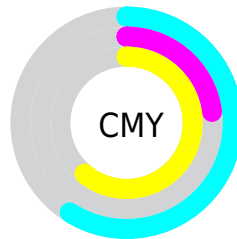


Cyan (47%)

Magenta (0%)

Yellow (49%)

Black (23%)



Cyan (59%)

Magenta (23%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7491, 43.3430, 18.9601 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 27.7491, 43.3430, 18.9601 by changing the saturation by 10% instead.

■ 27.7491, 43.3430,
18.9601

■ 27.7491, 43.3430,
18.9601

283.3679,
360.0205, 258.6438

■ 18.2761, 30.1543,
11.4649

■ 55.4951, 80.2282,
42.5025

■ 11.2493, 19.9558,
6.2624

■ 74.4987, 104.6935,
59.3867

■ 6.3033, 12.3629,
2.9339

■ 97.4100, 133.6865,
80.2378

■ 3.0728, 6.9913,
1.0610

■ 124.5943,
167.5916, 105.4742

■ 1.1924, 3.4567,
0.0000

156.4168,
206.7931, 135.5144

■ 0.1003, 1.3745,
0.0000

193.2431,

■ 0.0000, 0.1978,

251.6755, 170.7771

0.0000

235.4383,
302.6232, 211.6807

■ 0.0000, 0.0000,
0.0000

■ 27.7491, 43.3430,
18.9601

■ 27.7491, 43.3430,
18.9601

■ 24.9697, 42.0082,
14.4599

■ 31.2445, 45.0231,
24.6868

■ 22.8538, 40.9897,
11.0942

■ 35.4974, 47.0643,
31.7175

■ 21.3470, 40.2629,
8.7627


■ 40.5497, 49.4880,
40.1266


■ 20.3847, 39.7972,
7.3463


■ 46.4394, 52.3122,
49.9822


■ 19.8779, 39.5510,
6.6439


■ 53.2023, 55.5541,
61.3478

 19.8430, 39.5342,
6.5850

 60.8718, 59.2295,
74.2831

 69.4796, 63.3536,
88.8446

 78.7640, 67.8240,
103.5478

 79.0308, 67.9616,
103.5603

Harmonies

Analogous

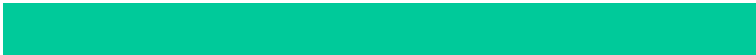
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.8264, 43.3430, 11.1789



27.7491, 43.3430, 18.9601



24.4784, 43.3430, 37.6257

Triad

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



27.7491, 43.3430, 18.9601



37.7039, 43.3430, 129.0120



63.0645, 43.3430, 30.4247

Complementary

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



27.7491, 43.3430, 18.9601



36.2613, 24.3078, 55.0075

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.



64.1864, 43.3430, 58.2589



27.7491, 43.3430, 18.9601



48.2989, 43.3430, 124.3674

Square

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



27.7491, 43.3430, 18.9601



29.5494, 43.3430, 105.7357



58.4078, 43.3430, 94.8808



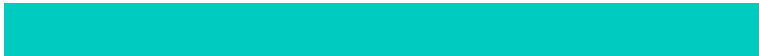
55.5602, 43.3430, 15.6032

Rectangle

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



27.7491, 43.3430, 18.9601



24.4483, 43.3430, 57.4667



58.4078, 43.3430, 94.8808



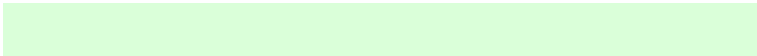
64.2437, 43.3430, 38.2234

Sweetspot

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



27.7502, 43.3448, 18.9611



77.2680, 91.4751, 79.0593



43.7416, 50.0070, 19.4041



16.0661, 19.3529, 16.1324



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.



27.7502, 43.3448, 18.9611



44.8191, 75.8983, 25.5313



29.9699, 44.1804, 33.0155



9.9824, 11.2784, 10.7127



12.7675, 25.4107, 4.2318



0.5653, 1.1050, 0.1835

Inverse Universe

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



36.2613, 24.3078, 55.0075



62.0281, 37.3227, 98.5425



33.0569, 23.1445, 32.7769



10.4545, 10.2255, 12.7075



19.7209, 9.4269, 34.3368



0.8651, 0.4140, 1.4842

Previews

White Background



This preview shows how the XYZ color 27.7491, 43.3430, 18.9601 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 27.7491, 43.3430, 18.9601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

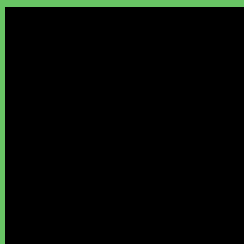
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7491, 43.3430, 18.9601

Background



This preview shows how black text looks on a background with the XYZ color 27.7491, 43.3430, 18.9601.



This preview shows how white text looks on a background with the XYZ color 27.7491, 43.3430,

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

27.7491, 43.3430, 18.9601

Protanopia

39.2981, 42.7877, 16.5435

Deuteranopia

43.6239, 42.6960, 19.8518



Tritanopia

36.0865, 43.1531, 61.0710

Trichromacy



Original Color

27.7491, 43.3430, 18.9601



Protanomaly

33.7427, 42.2886, 17.4504



Deuteranomaly

35.6527, 41.7245, 19.2712



Tritanomaly

32.2346, 42.8574, 41.6953

Monochromacy



Original Color

27.7491, 43.3430, 18.9601



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.7491, 36.7145, 29.1856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7491, 43.3430, 18.9601 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(104, 196, 100)` looks like.

```
.text, #text, p{  
    color:rgb(104, 196, 100)  
}
```

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(104, 196, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 196, 100) }
```

Border

The CSS property to change the border of an element to XYZ 27.7491, 43.3430, 18.9601 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(104, 196, 100) }
```


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

```
.border{ border-color:rgb(104, 196, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 196, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 196, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 196, 100);  
box-shadow:4px 4px 4px 4px rgb(104, 196,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7491, 43.3430, 18.9601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 196, 100) }
```

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

```
.background{ background-color: rgb(104,  
196, 100) }
```

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