

Converting Colors

XYZ(27.0961, 36.3550, 16.5107)

Have a look what the booklet for
XYZ(27.0961, 36.3550, 16.5107)
contains.

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Color

**XYZ(27.2270, 36.5545,
16.4472)**

Conversions

Conversions Part 1

Format	Color
Hex	86AF5F
RGB	134, 175, 95
RGB Percent	53%, 69%, 37%
CMY	0.4745, 0.3137, 0.6274
CMYK	0.23, 0.00, 0.46, 0.31
HSL	91°, 33%, 53%
HSV	91°, 46%, 69%
XYZ	27.2270, 36.5545, 16.4472
YIQ	153.6210, 1.2440, -33.5720

Conversions

Conversions Part 2

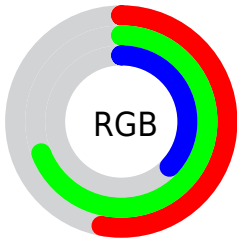
Format	Color
RYB	95, 175, 136
Decimal	8826719
CIELab	66.94, -27.90, 36.49
CIELCh	67, 45.935, 127.406
Yxy	36.5545, 0.3394, 0.4556
Android (android.graphics.Color)	4287016799 (0xFF86AF5F)
YUV	153.6210, -28.9002, -17.2076
Hunter-Lab	60.4603, -25.4219, 26.1934

Details

The XYZ color **27.2270, 36.5545, 16.4472** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.9851, 16.5149, 42.5885**, and the grayscale version is **30.6720, 32.2694, 35.1413**.

A 20% lighter version of the original color is **54.8286, 70.0772, 38.2402**, and **10.9324, 15.9102, 5.0795** is the 20% darker color. If you saturate the color by 10%, you get **25.1499, 35.5667, 12.6540**, and if you desaturate by 10%, it is **29.6059, 37.6795, 21.1889**.

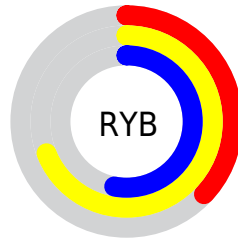
Distribution



Red (53%)

Green (69%)

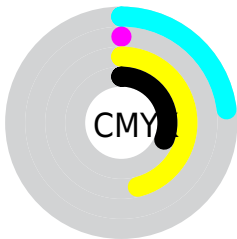
Blue (37%)



Red (37%)

Yellow (69%)

Blue (53%)

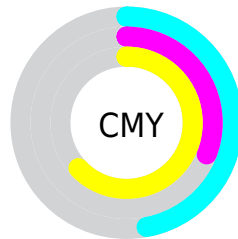


Cyan (23%)

Magenta (0%)

Yellow (46%)

Black (31%)



Cyan (47%)


Magenta (31%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2270, 36.5545, 16.4472 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 27.2270, 36.5545, 16.4472 by changing the saturation by 10% instead.


 27.2270, 36.5545,
16.4472


 27.2270, 36.5545,
16.4472


280.9021,
331.3777, 243.9014


 17.8812, 24.8627,
9.6834


 54.6652, 69.8871,
38.1504


 10.9639, 15.9748,
5.0867


 73.4884, 92.2967,
53.9268

 6.1097, 9.5063,
2.2386


 96.2015, 119.0477,
73.5445

 2.9532, 5.0729,
0.6965

 123.1698,
150.5245, 97.4221

 1.1291, 2.2901,
0.0000

154.7586,
187.1115, 125.9780

 0.0492, 0.7685,
0.0000

191.3334,

 0.0000, 0.0000,

229.1931, 159.6309

0.0000

233.2594,
277.1537, 198.7992

■ 27.2270, 36.5545,
16.4472

■ 27.2270, 36.5545,
16.4472

■ 25.1499, 35.5667,
12.6540

■ 29.6059, 37.6795,
21.1889

■ 23.3569, 34.7049,
9.7429

■ 32.2977, 38.9428,
26.9346

■ 21.8320, 33.9637,
7.6428


■ 35.3164, 40.3515,
33.7386


■ 20.5563, 33.3351,
6.2706


■ 38.6740, 41.9108,
41.6504


■ 19.5062, 32.8093,
5.5201


■ 42.3818, 43.6254,
50.7165

 19.1050, 32.6072,
5.2869

 46.4509, 45.5001,
60.9807

 50.8914, 47.5393,
72.4844

 55.7132, 49.7471,
85.2672

 60.9260, 52.1277,
99.3669

Harmonies

Analogous

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



33.0461, 36.5545, 12.5958



27.2270, 36.5545, 16.4472



23.7881, 36.5545, 26.8096

Triad

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



27.2270, 36.5545, 16.4472



29.8485, 36.5545, 86.7529



49.7887, 36.5545, 35.0594

Complementary

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



27.2270, 36.5545, 16.4472



21.9851, 16.5149, 42.5885

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.



48.6333, 36.5545, 56.4308



27.2270, 36.5545, 16.4472



36.4990, 36.5545, 91.2386

Square

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



27.2270, 36.5545, 16.4472



25.1545, 36.5545, 67.9429



43.5309, 36.5545, 78.7040



46.5049, 36.5545, 20.7530

Rectangle

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



27.2270, 36.5545, 16.4472



23.0090, 36.5545, 38.0910



43.5309, 36.5545, 78.7040



49.9134, 36.5545, 41.5627

Sweetspot

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



27.2279, 36.5561, 16.4480



64.0939, 72.6584, 62.3811



28.4102, 27.2695, 14.5932



13.9754, 16.0234, 13.2406



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.2279, 36.5561, 16.4480



44.9588, 63.6564, 22.5209



22.1160, 33.9208, 16.2088



8.2622, 9.1237, 8.5390



13.7516, 23.3863, 3.7892



0.4459, 0.6832, 0.1084

Inverse Universe

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



21.9851, 16.5149, 42.5885



34.3699, 23.1894, 75.3014



29.5108, 20.3946, 42.9407



7.9556, 7.9514, 10.0682



8.6110, 3.7990, 29.3239



0.3025, 0.1381, 0.8187

Previews

White Background



This preview shows how the XYZ color 27.2270, 36.5545, 16.4472 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 27.2270, 36.5545, 16.4472 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 27.2270, 36.5545, 16.4472

Background



This preview shows how black text looks on a background with the XYZ color 27.2270, 36.5545, 16.4472.



This preview shows how white text looks on a background with the XYZ color 27.2270, 36.5545,

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

27.2270, 36.5545, 16.4472

Protanopia

33.1688, 36.0610, 15.1098

Deuteranopia

36.7865, 36.0986, 17.0854



Tritanopia

33.4459, 36.2759, 47.8870

Trichromacy



Original Color

27.2270, 36.5545, 16.4472

Protanomaly

30.6508, 36.0915, 15.4761

Deuteranomaly

32.3585, 35.6067, 16.7226

Tritanomaly

30.6886, 36.2648, 33.3993

Monochromacy



Original Color

27.2270, 36.5545, 16.4472

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.1866, 33.7372, 27.1639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2270, 36.5545, 16.4472 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(134, 175, 95)` looks like.

```
.text, #text, p{  
    color:rgb(134, 175, 95)  
}
```

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(134, 175, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 175, 95) }
```

Border

The CSS property to change the border of an element to XYZ 27.2270, 36.5545, 16.4472 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(134, 175, 95) }
```


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

```
.border{ border-color:rgb(134, 175, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 175, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 175, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 175, 95);  
box-shadow:4px 4px 4px 4px rgb(134, 175,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2270, 36.5545, 16.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 175, 95) }
```

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

```
.background{ background-color: rgb(134,  
175, 95) }
```

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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