

Converting Colors

XYZ(13.7276, 21.5367, 11.6242)

Have a look what the booklet for
XYZ(13.7276, 21.5367, 11.6242)
contains.

XYZ(13.6985, 21.4627, 11.6044)	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(13.6985, 21.4627,
11.6044)**

Conversions

Conversions Part 1

Format	Color
Hex	438F53
RGB	67, 143, 83
RGB Percent	26%, 56%, 33%
CMY	0.7373, 0.4392, 0.6745
CMYK	0.53, 0.00, 0.42, 0.44
HSL	133°, 36%, 41%
HSV	133°, 53%, 56%
XYZ	13.6985, 21.4627, 11.6044
YIQ	113.4360, -26.0360, -34.7720

Conversions

Conversions Part 2

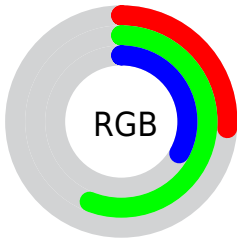
Format	Color
RYB	67, 130, 143
Decimal	4427603
CIELab	53.45, -37.21, 24.92
CIELCh	53, 44.788, 146.191
Yxy	21.4627, 0.2929, 0.4589
Android (android.graphics.Color)	4282617683 (0xFF438F53)
YUV	113.4360, -15.0049, -40.7244
Hunter-Lab	46.3279, -28.2938, 17.5783

Details

The XYZ color **13.6985, 21.4627, 11.6044** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.1662, 11.3866, 21.3722**, and the grayscale version is **15.8749, 16.7016, 18.1881**.

A 20% lighter version of the original color is **32.0850, 45.6909, 29.3185**, and **4.1736, 7.7943, 3.0347** is the 20% darker color. If you saturate the color by 10%, you get **12.4357, 20.8586, 9.4525**, and if you desaturate by 10%, it is **15.2755, 22.2218, 14.1425**.

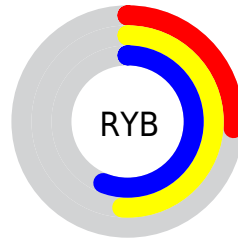
Distribution



Red (26%)

Green (56%)

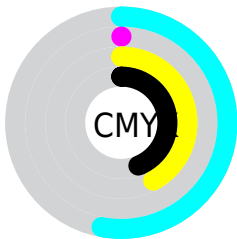
Blue (33%)



Red (26%)

Yellow (51%)

Blue (56%)

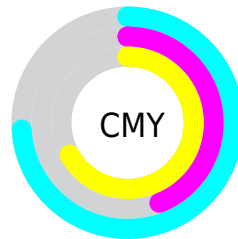


Cyan (53%)

Magenta (0%)

Yellow (42%)

Black (44%)



Cyan (74%)

Magenta (44%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6985, 21.4627, 11.6044 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 13.6985, 21.4627, 11.6044 by changing the saturation by 10% instead.

■ 13.6985, 21.4627,
11.6044

■ 13.6985, 21.4627,
11.6044

208.8954,
259.7274, 212.6525

■ 7.9916, 13.4626,
6.3557

■ 32.1439, 45.8563,
29.4261

■ 4.1413, 7.7479,
2.9903

■ 45.6130, 63.0187,
42.8361

■ 1.7824, 3.9341,
1.0897

■ 62.4002, 84.0040,
59.8036

■ 0.5070, 1.6367,
0.0000

■ 82.8709, 109.1965,
80.7471

■ 0.0000, 0.3822,
0.0000

■ 107.3904,
138.9807, 106.0853

■ 0.0000, 0.0000,
0.0000

136.3241,

173.7410, 136.2365

170.0373,
213.8617, 171.6194

■ 13.6985, 21.4627,
11.6044

■ 13.6985, 21.4627,
11.6044

■ 12.4357, 20.8586,
9.4525

■ 15.2755, 22.2218,
14.1425

■ 11.4639, 20.3962,
7.6665

■ 17.1846, 23.1428,
17.0830

■ 10.7591, 20.0640,
6.2262

■ 19.4443, 24.2357,
20.4429

■ 10.2929, 19.8479,
5.1091

■ 22.0710, 25.5086,
24.2377

■ 10.0586, 19.7400,
4.5156

■ 25.0804, 26.9691,
28.4823

■ 28.4871, 28.6247,
33.1908

■ 32.3050, 30.4820,
38.3766

■ 36.5471, 32.5477,
44.0528

■ 41.2262, 34.8279,
50.2316

Harmonies

Analogous

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



16.6195, 21.4627, 6.8530



13.6985, 21.4627, 11.6044



12.5598, 21.4627, 21.6701

Triad

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



13.6985, 21.4627, 11.6044



19.7974, 21.4627, 60.5126



29.7680, 21.4627, 13.6012

Complementary

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



13.6985, 21.4627, 11.6044



17.1662, 11.3866, 21.3722

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.



30.9671, 21.4627, 25.1550



13.6985, 21.4627, 11.6044



24.7135, 21.4627, 55.6799

Square

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



13.6985, 21.4627, 11.6044



15.7173, 21.4627, 52.6296



28.9922, 21.4627, 41.2073



25.9302, 21.4627, 7.6511

Rectangle

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



13.6985, 21.4627, 11.6044



12.8096, 21.4627, 31.4699



28.9922, 21.4627, 41.2073



30.5164, 21.4627, 16.7936

Sweetspot

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



13.6990, 21.4636, 11.6049



37.9501, 44.9169, 41.1495



19.7084, 24.6248, 9.0246



8.5034, 10.2038, 9.1491



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.6990, 21.4636, 11.6049



21.8422, 37.1492, 16.1667



15.5401, 22.2000, 21.2996



5.3865, 6.0468, 6.0010



8.9000, 17.4559, 4.0276



0.0919, 0.1696, 0.0741

Inverse Universe

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



17.1662, 11.3866, 21.3722



28.7331, 17.0495, 35.5258



15.1723, 10.5891, 10.8728



5.5783, 5.4918, 6.5433



12.6537, 6.2185, 14.3595



0.1288, 0.0626, 0.1787

Previews

White Background



This preview shows how the XYZ color 13.6985, 21.4627, 11.6044 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6985, 21.4627, 11.6044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

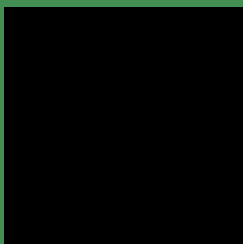
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6985, 21.4627, 11.6044

Background



This preview shows how black text looks on a background with the XYZ color 13.6985, 21.4627, 11.6044.



This preview shows how white text looks on a background with the XYZ color 13.6985, 21.4627,

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

13.6985, 21.4627, 11.6044

Protanopia

19.5764, 21.2035, 10.0821

Deuteranopia

21.3613, 20.9586, 12.1521



Tritanopia

17.6379, 21.5539, 30.8345

Trichromacy



Original Color

13.6985, 21.4627, 11.6044

Protanomaly

16.6089, 20.8503, 10.5463

Deuteranomaly

17.2757, 20.3655, 11.8245

Tritanomaly

15.9313, 21.4983, 22.3787

Monochromacy



Original Color

13.6985, 21.4627, 11.6044

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.4298, 17.8614, 15.2574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6985, 21.4627, 11.6044 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(67, 143, 83)` looks like.

```
.text, #text, p{  
    color:rgb(67, 143, 83)  
}
```

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(67, 143, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 143, 83) }
```

Border

The CSS property to change the border of an element to XYZ 13.6985, 21.4627, 11.6044 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(67, 143, 83) }
```


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

```
.border{ border-color:rgb(67, 143, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 143, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 143, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 143, 83);  
box-shadow:4px 4px 4px 4px rgb(67, 143,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6985, 21.4627, 11.6044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 143, 83) }
```

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

```
.background{ background-color: rgb(67, 143,  
83) }
```

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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