

Converting Colors

XYZ(29.8678, 43.4074, 27.4737)

Have a look what the booklet for
XYZ(29.8678, 43.4074, 27.4737)
contains.

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Color

**XYZ(29.8425, 43.2356,
27.5413)**

Conversions

Conversions Part 1

Format	Color
Hex	71C181
RGB	113, 193, 129
RGB Percent	44%, 76%, 51%
CMY	0.5569, 0.2431, 0.4941
CMYK	0.41, 0.00, 0.33, 0.24
HSL	132°, 39%, 60%
HSV	132°, 41%, 76%
XYZ	29.8425, 43.2356, 27.5413
YIQ	161.7840, -27.1360, -36.8640

Conversions

Conversions Part 2

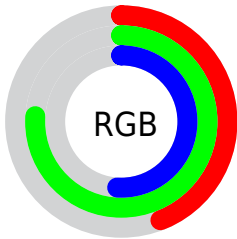
Format	Color
RYB	113, 180, 193
Decimal	7455105
CIELab	71.71, -38.24, 24.75
CIELCh	72, 45.553, 147.094
Yxy	43.2356, 0.2966, 0.4297
Android (android.graphics.Color)	4285645185 (0xFF71C181)
YUV	161.7840, -16.1625, -42.7836
Hunter-Lab	65.7538, -34.0565, 21.1937

Details

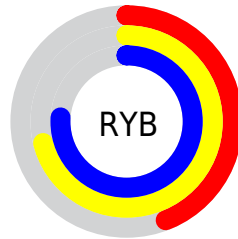
The XYZ color **29.8425, 43.2356, 27.5413** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.8347, 26.3230, 44.7889**, and the grayscale version is **34.3248, 36.1124, 39.3264**.

A 20% lighter version of the original color is **58.7776, 80.0734, 56.6138**, and **12.4475, 19.9596, 10.5937** is the 20% darker color. If you saturate the color by 10%, you get **26.6687, 41.7104, 22.4344**, and if you desaturate by 10%, it is **33.7017, 45.0986, 33.4918**.

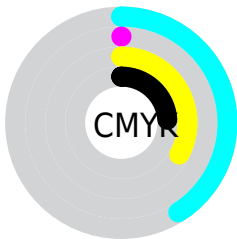
Distribution



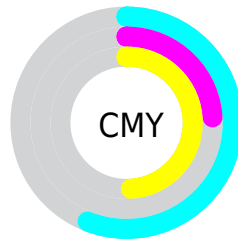
- Red (44%)
- Green (76%)
- Blue (51%)



- Red (44%)
- Yellow (71%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (33%)
- Black (24%)





- Cyan (56%)
- Magenta (24%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8425, 43.2356, 27.5413 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 29.8425, 43.2356, 27.5413 by changing the saturation by 10% instead.


 29.8425, 43.2356,
27.5413


 29.8425, 43.2356,
27.5413


293.0926,
359.5798, 304.1112


 19.8665, 30.0700,
17.7441


 58.8014, 80.0663,
56.7655

 12.4058, 19.8917,
10.5989


 78.5150, 104.5001,
77.0297

 7.0948, 12.3164,
5.6871


 102.2052,
133.4589, 101.6199

 3.5683, 6.9595,
2.5901

130.2373,
167.3269, 130.9548

 1.4609, 3.4368,
0.8873

162.9768,
206.4886, 165.4528

 0.2990, 1.3638,
0.0000

200.7889,

 0.0000, 0.1898,

251.3284, 205.5325

0.0000

244.0391,
302.2307, 251.6125

■ 0.0000, 0.0000,
0.0000

■ 29.8425, 43.2356,
27.5413

■ 29.8425, 43.2356,
27.5413

■ 26.6687, 41.7104,
22.4344

■ 33.7017, 45.0986,
33.4918

■ 24.1361, 40.4975,
18.1300

■ 38.2803, 47.3126,
40.3185

■ 22.2009, 39.5762,
14.5880


■ 43.6138, 49.8964,
48.0562


■ 20.8117, 38.9212,
11.7638

■ 49.7347, 52.8660,
56.7366


■ 19.9084, 38.5023,
9.6077


■ 56.6733, 56.2366,
66.3900

 19.4304, 38.2854,
8.2506

 64.4585, 60.0222,
77.0454

 73.1175, 64.2364,
88.7305

 77.9647, 66.4631,
101.2514

 78.3608, 66.6215,
103.3369

Harmonies

Analogous

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



34.6935, 43.2356, 18.4525



29.8425, 43.2356, 27.5413



27.9730, 43.2356, 44.9522

Triad

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



29.8425, 43.2356, 27.5413



40.3456, 43.2356, 103.6234



55.7869, 43.2356, 30.2379

Complementary

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



29.8425, 43.2356, 27.5413



35.8347, 26.3230, 44.7889

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.



57.7853, 43.2356, 49.2661



29.8425, 43.2356, 27.5413



48.2372, 43.2356, 96.0111

Square

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



29.8425, 43.2356, 27.5413



33.5413, 43.2356, 92.5841



54.8687, 43.2356, 74.1746



49.7033, 43.2356, 19.6319

Rectangle

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



29.8425, 43.2356, 27.5413



28.4689, 43.2356, 60.7200



54.8687, 43.2356, 74.1746



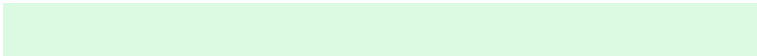
56.9894, 43.2356, 35.6466

Sweetspot

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



29.8436, 43.2374, 27.5423



77.3582, 88.9970, 84.9874



40.4889, 48.8387, 22.9161



16.3126, 18.9555, 17.8251



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.8436, 43.2374, 27.5423



48.1049, 74.8654, 40.7438



32.9182, 44.4672, 43.7327



10.0250, 11.2910, 11.1348



12.9463, 25.4726, 5.6101



0.5844, 1.1106, 0.3740

Inverse Universe

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



35.8347, 26.3230, 44.7889



60.2942, 40.3914, 75.7885



32.5104, 24.9933, 27.2831



10.4082, 10.2119, 12.2399



18.5581, 9.1130, 21.3830



0.8243, 0.4027, 1.0423

Previews

White Background



This preview shows how the XYZ color 29.8425, 43.2356, 27.5413 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 29.8425, 43.2356, 27.5413 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 29.8425, 43.2356, 27.5413

Background



This preview shows how black text looks on a background with the XYZ color 29.8425, 43.2356, 27.5413.



This preview shows how white text looks on a background with the XYZ color 29.8425, 43.2356,

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

29.8425, 43.2356, 27.5413

Protanopia

39.7674, 42.8592, 24.2659

Deuteranopia

43.5526, 42.7337, 28.8746



Tritanopia

36.3514, 42.9937, 60.4155

Trichromacy



Original Color

29.8425, 43.2356, 27.5413



Protanomaly

35.0640, 42.4882, 25.4218



Deuteranomaly

36.9690, 41.9084, 28.3310



Tritanomaly

33.5787, 42.8076, 46.5373

Monochromacy



Original Color

29.8425, 43.2356, 27.5413



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.9502, 38.0184, 34.5085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8425, 43.2356, 27.5413 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(113, 193, 129)` looks like.

```
.text, #text, p{  
    color:rgb(113, 193, 129)  
}
```

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(113, 193, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 193, 129) }
```

Border

The CSS property to change the border of an element to XYZ 29.8425, 43.2356, 27.5413 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(113, 193, 129) }
```


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

```
.border{ border-color:rgb(113, 193, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 193, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 193, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 193, 129);  
box-shadow:4px 4px 4px 4px rgb(113, 193,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8425, 43.2356, 27.5413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 193, 129) }
```

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

```
.background{ background-color: rgb(113,  
193, 129) }
```

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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