

Converting Colors

XYZ(41.0723, 62.5030, 31.3166)

Have a look what the booklet for
XYZ(41.0723, 62.5030, 31.3166)
contains.

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Color

**XYZ(41.2956, 62.8215,
31.4220)**

Conversions

Conversions Part 1

Format	Color
Hex	80E683
RGB	128, 230, 131
RGB Percent	50%, 90%, 51%
CMY	0.4980, 0.0980, 0.4863
CMYK	0.44, 0.00, 0.43, 0.10
HSL	122°, 67%, 70%
HSV	122°, 44%, 90%
XYZ	41.2956, 62.8215, 31.4220
YIQ	188.2160, -29.0130, -52.4130

Conversions

Conversions Part 2

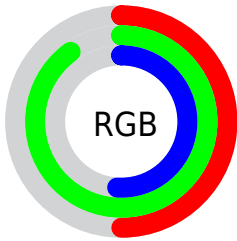
Format	Color
RYB	128, 227, 230
Decimal	8447619
CIELab	83.35, -49.53, 39.12
CIELCh	83, 63.117, 141.694
Yxy	62.8215, 0.3047, 0.4635
Android (android.graphics.Color)	4286637699 (0xFF80E683)
YUV	188.2160, -28.2075, -52.8094
Hunter-Lab	79.2600, -45.7040, 31.9770

Details

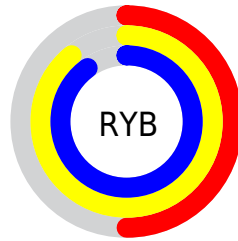
The XYZ color **41.2956, 62.8215, 31.4220** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.2193, 37.8084, 77.1149**, and the grayscale version is **48.0913, 50.5958, 55.0988**.

A 20% lighter version of the original color is **64.5245, 85.3371, 58.9698**, and **19.1098, 32.1534, 12.7884** is the 20% darker color. If you saturate the color by 10%, you get **36.8669, 60.6966, 24.1502**, and if you desaturate by 10%, it is **46.8375, 65.4862, 40.4500**.

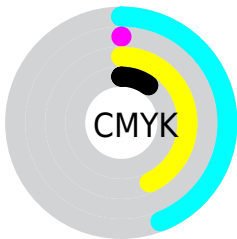
Distribution



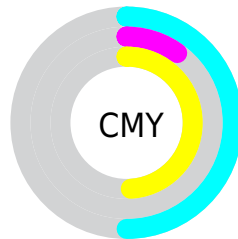
- Red (50%)
- Green (90%)
- Blue (51%)



- Red (50%)
- Yellow (89%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (43%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2956, 62.8215, 31.4220 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 41.2956, 62.8215, 31.4220 by changing the saturation by 10% instead.


 41.2956, 62.8215,
31.4220


 41.2956, 62.8215,
31.4220


342.5961,
434.9214, 322.8890


 28.7388, 45.6968,
20.6592


 76.4043, 108.9120,
62.9912

 19.0266, 32.0066,
12.6863


 99.6869, 138.6465,
84.6347

 11.7936, 21.3666,
7.0847


 127.2756,
173.3531, 110.7423

 6.6745, 13.3922,
3.4359

159.5355,
213.4163, 141.7324

 3.3039, 7.6992,
1.3213

196.8322,
259.2203, 178.0235

 1.3164, 3.9031,
0.0791

239.5310,

 0.1955, 1.6195,

311.1495, 220.0343

0.0000

287.9971,
369.5884, 268.1833

0.0000, 0.3707,
0.0000

0.0000, 0.0000,
0.0000

41.2956, 62.8215,
31.4220

41.2956, 62.8215,
31.4220

36.8669, 60.6966,
24.1502

46.8375, 65.4862,
40.4500

33.4718, 59.0676,
18.5165


53.5558, 68.7157,
51.3336


31.0280, 57.8964,
14.3951


61.5145, 72.5427,
64.1699


29.4383, 57.1363,
11.6401

70.7716, 76.9952,
79.0480

 28.5849, 56.7300,
10.0769

 81.3816, 82.0995,
96.0513

 28.3351, 56.6110,
9.6280

 87.5881, 85.0761,
106.4127

Harmonies

Analogous

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



50.4724, 62.8215, 19.4532



41.2956, 62.8215, 31.4220



37.2096, 62.8215, 58.0499

Triad

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



41.2956, 62.8215, 31.4220



55.9765, 62.8215, 173.8199



87.7554, 62.8215, 44.0854

Complementary

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



41.2956, 62.8215, 31.4220



54.2193, 37.8084, 77.1149

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.



89.8309, 62.8215, 79.9169



41.2956, 62.8215, 31.4220



70.0110, 62.8215, 165.4613

Square

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



41.2956, 62.8215, 31.4220



44.7939, 62.8215, 146.5480



82.9169, 62.8215, 126.7929



77.6165, 62.8215, 24.5697

Rectangle

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



41.2956, 62.8215, 31.4220



37.4077, 62.8215, 84.9010



82.9169, 62.8215, 126.7929



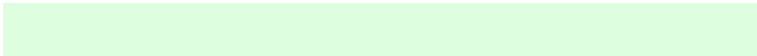
89.4755, 62.8215, 54.1921

Sweetspot

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



41.2972, 62.8241, 31.4234



79.1341, 92.3442, 83.3423



64.2860, 74.6985, 31.4523



16.4204, 19.5166, 17.0055



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.



41.2972, 62.8241, 31.4234



47.1121, 76.9532, 31.3821



45.5103, 64.5094, 53.6092



14.2064, 16.0960, 15.3519



16.0488, 32.0516, 5.4916



1.1920, 2.3709, 0.4379

Inverse Universe

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



54.2193, 37.8084, 77.1149



65.3546, 41.6233, 95.8748



48.3198, 35.4487, 46.0488



14.9758, 14.6075, 18.0731



26.0418, 12.5509, 40.7104



1.9302, 0.9298, 3.0390

Previews

White Background



This preview shows how the XYZ color 41.2956, 62.8215, 31.4220 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 41.2956, 62.8215, 31.4220 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 41.2956, 62.8215, 31.4220

Background



This preview shows how black text looks on a background with the XYZ color 41.2956, 62.8215, 31.4220.



This preview shows how white text looks on a background with the XYZ color 41.2956, 62.8215,

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

41.2956, 62.8215, 31.4220

Protanopia

56.9482, 61.7165, 27.3233

Deuteranopia

62.9842, 61.5707, 32.9908



Tritanopia

52.6445, 62.6250, 87.9104

Trichromacy



Original Color

41.2956, 62.8215, 31.4220



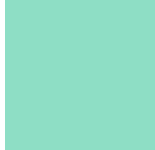
Protanomaly

49.2373, 61.0287, 28.5867



Deuteranomaly

52.1462, 60.2159, 32.1670



Tritanomaly

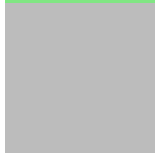
47.3546, 62.0246, 62.2994

Monochromacy



Original Color

41.2956, 62.8215, 31.4220



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

44.0569, 53.6089, 44.5847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2956, 62.8215, 31.4220 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(128, 230, 131)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 131)  
}
```

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(128, 230, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 131) }
```

Border

The CSS property to change the border of an element to XYZ 41.2956, 62.8215, 31.4220 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(128, 230, 131) }
```


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

```
.border{ border-color:rgb(128, 230, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 230, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 131);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2956, 62.8215, 31.4220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 131) }
```

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

```
.background{ background-color: rgb(128,  
230, 131) }
```

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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