

Converting Colors

XYZ(46.4303, 62.4574, 51.2408)

Have a look what the booklet for
XYZ(46.4303, 62.4574, 51.2408)
contains.

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Color

**XYZ(46.4455, 62.5966,
51.2294)**

Conversions

Conversions Part 1

Format	Color
Hex	92E0B1
RGB	146, 224, 177
RGB Percent	57%, 88%, 69%
CMY	0.4274, 0.1216, 0.3059
CMYK	0.35, 0.00, 0.21, 0.12
HSL	144°, 56%, 73%
HSV	144°, 35%, 88%
XYZ	46.4455, 62.5966, 51.2294
YIQ	195.3200, -31.4010, -31.1530

Conversions

Conversions Part 2

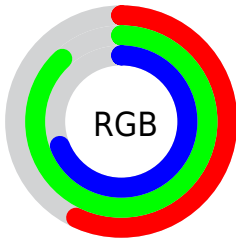
Format	Color
RYB	146, 202, 224
Decimal	9625777
CIELab	83.23, -33.89, 15.53
CIELCh	83, 37.277, 155.378
Yxy	62.5966, 0.2898, 0.3906
Android (android.graphics.Color)	4287815857 (0xFF92E0B1)
YUV	195.3200, -9.0318, -43.2536
Hunter-Lab	79.1180, -33.6697, 16.9920

Details

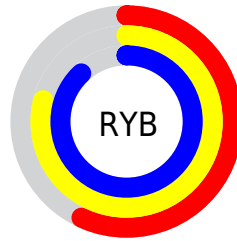
The XYZ color **46.4455, 62.5966, 51.2294** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.6471, 40.2567, 55.5554**, and the grayscale version is **52.1295, 54.8443, 59.7255**.

A 20% lighter version of the original color is **74.8251, 89.9597, 90.5111**, and **22.0544, 31.7358, 24.0320** is the 20% darker color. If you saturate the color by 10%, you get **41.5676, 60.2315, 44.3226**, and if you desaturate by 10%, it is **52.2400, 65.4223, 58.8766**.

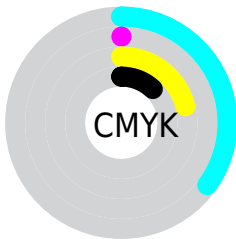
Distribution



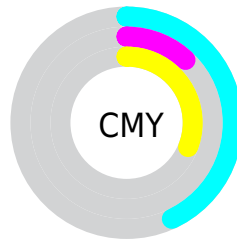
- Red (57%)
- Green (88%)
- Blue (69%)



- Red (57%)
- Yellow (79%)
- Blue (88%)



- Cyan (35%)
- Magenta (0%)
- Yellow (21%)
- Black (12%)




- Cyan (43%)
- Magenta (12%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4455, 62.5966, 51.2294 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 46.4455, 62.5966, 51.2294 by changing the saturation by 10% instead.


 46.4455, 62.5966,
51.2294


 46.4455, 62.5966,
51.2294


363.2828,
434.1040, 408.3264

 32.8036, 45.5149,
36.0132


 84.1091, 108.5873,
93.4087

 22.1346, 31.8632,
24.1546


 108.8616,
138.2652, 121.2090

 14.0730, 21.2570,
15.2351


138.0483,
172.9105, 154.0410

 8.2535, 13.3120,
8.8361

172.0346,
212.9078, 192.3233

 4.3107, 7.6438,
4.5391

211.1858,
258.6414, 236.4744

 1.8794, 3.8679,
1.9255

255.8674,

 0.5648, 1.5999,

310.4957, 286.9130

0.5089

306.4446,
368.8551, 344.0574

■ 0.0000, 0.3575,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.4455, 62.5966,
51.2294

■ 46.4455, 62.5966,
51.2294

■ 41.5676, 60.2315,
44.3226

■ 52.2400, 65.4223,
58.8766

■ 37.5517, 58.2942,
38.1294

■ 58.9919, 68.7239,
67.2812

■ 34.3448, 56.7594,
32.6278

■ 66.7453, 72.5257,
76.4652

■ 31.8859, 55.5963,
27.7928

■ 75.5403, 76.8479,
86.4483

■ 30.1045, 54.7689,
23.5978

■ 84.3007, 81.1352,
97.1973

■ 28.9149, 54.2337,
20.0140

■ 85.9468, 81.7936,
105.8656

■ 28.4610, 54.0353,
18.3865

Harmonies

Analogous

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



50.9367, 62.5966, 37.9032



46.4455, 62.5966, 51.2294



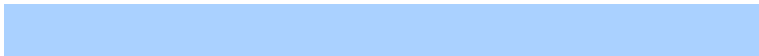
45.3137, 62.5966, 72.4181

Triad

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



46.4455, 62.5966, 51.2294



60.9660, 62.5966, 122.8297



73.1025, 62.5966, 45.4806

Complementary

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



46.4455, 62.5966, 51.2294



50.6471, 40.2567, 55.5554

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.



76.3664, 62.5966, 64.0665



46.4455, 62.5966, 51.2294



68.9646, 62.5966, 111.3175

Square

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



46.4455, 62.5966, 51.2294



53.2475, 62.5966, 117.2090



74.7877, 62.5966, 88.4547



66.2156, 62.5966, 35.1492

Rectangle

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



46.4455, 62.5966, 51.2294



46.5190, 62.5966, 89.0893



74.7877, 62.5966, 88.4547



74.6869, 62.5966, 50.7908

Sweetspot

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



46.4472, 62.5992, 51.2308



83.9068, 94.5299, 95.9773



54.1199, 66.8720, 37.2500



17.6484, 20.0808, 20.1729



0.0000, 0.0000, 0.0000



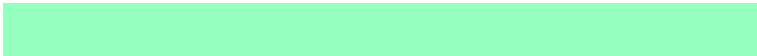
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4472, 62.5992, 51.2308



57.2998, 81.5446, 61.7013



50.7646, 64.3261, 73.9660



13.7533, 15.4270, 15.7361



16.6187, 31.4723, 10.9812



1.1952, 2.1988, 0.9890

Inverse Universe

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



50.6471, 40.2567, 55.5554



63.7529, 47.1839, 68.3232



46.9459, 38.7763, 36.0655



14.0523, 13.8386, 16.0456



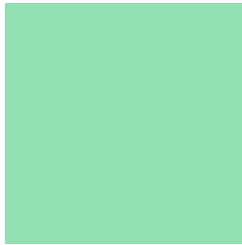
20.4959, 10.2654, 14.5431



1.4644, 0.7291, 1.2386

Previews

White Background



This preview shows how the XYZ color 46.4455, 62.5966, 51.2294 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 46.4455, 62.5966, 51.2294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

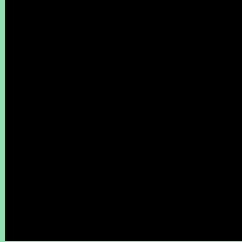
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4455, 62.5966, 51.2294

Background



This preview shows how black text looks on a background with the XYZ color 46.4455, 62.5966, 51.2294.



This preview shows how white text looks on a background with the XYZ color 46.4455, 62.5966,

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

46.4455, 62.5966, 51.2294

Protanopia

58.3526, 62.0298, 45.9432

Deuteranopia

63.1279, 61.8864, 52.8740



Tritanopia

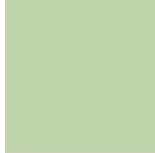
53.5077, 62.3213, 87.0510

Trichromacy



Original Color

46.4455, 62.5966, 51.2294



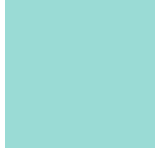
Protanomaly

52.8832, 61.7352, 47.6569



Deuteranomaly

55.4227, 61.1035, 52.0531



Tritanomaly

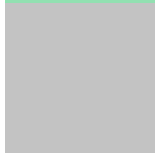
50.6682, 62.3372, 72.3126

Monochromacy



Original Color

46.4455, 62.5966, 51.2294



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.2799, 57.1206, 56.0050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4455, 62.5966, 51.2294 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(146, 224, 177)` looks like.

```
.text, #text, p{  
    color:rgb(146, 224, 177)  
}
```

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(146, 224, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 224, 177) }
```

Border

The CSS property to change the border of an element to XYZ 46.4455, 62.5966, 51.2294 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(146, 224, 177) }
```


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

```
.border{ border-color:rgb(146, 224, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 224, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 224, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 224, 177); box-shadow:4px 4px 4px 4px rgb(146, 224, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4455, 62.5966, 51.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 224, 177) }
```

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

```
.background{ background-color: rgb(146,  
224, 177) }
```

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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