

Converting Colors

XYZ(46.4923, 55.4068, 41.0454)

Have a look what the booklet for
XYZ(46.4923, 55.4068, 41.0454)
contains.

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Color

**XYZ(46.4413, 55.2726,
41.0219)**

Conversions

Conversions Part 1

Format	Color
Hex	B3CC9F
RGB	179, 204, 159
RGB Percent	70%, 80%, 62%
CMY	0.2980, 0.2000, 0.3765
CMYK	0.12, 0.00, 0.22, 0.20
HSL	93°, 31%, 71%
HSV	93°, 22%, 80%
XYZ	46.4413, 55.2726, 41.0219
YIQ	191.3950, -0.4550, -19.2950

Conversions

Conversions Part 2

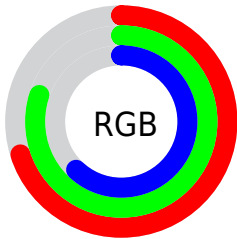
Format	Color
RYB	159, 204, 184
Decimal	11783327
CIELab	79.20, -16.52, 19.69
CIELCh	79, 25.700, 130.006
Yxy	55.2726, 0.3254, 0.3872
Android (android.graphics.Color)	4289973407 (0xFFB3CC9F)
YUV	191.3950, -15.9707, -10.8704
Hunter-Lab	74.3455, -18.6014, 19.3272

Details

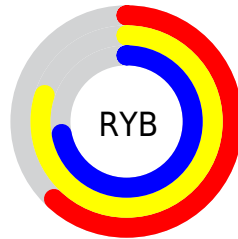
The XYZ color **46.4413, 55.2726, 41.0219** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.0666, 39.3478, 62.4547**, and the grayscale version is **49.8419, 52.4376, 57.1045**.

A 20% lighter version of the original color is **82.1585, 94.0372, 77.4391**, and **22.1644, 27.3098, 18.0131** is the 20% darker color. If you saturate the color by 10%, you get **42.3026, 53.3286, 32.3376**, and if you desaturate by 10%, it is **51.0905, 57.4493, 51.2576**.

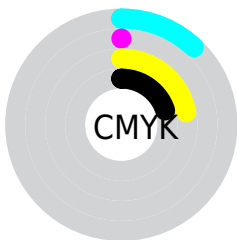
Distribution



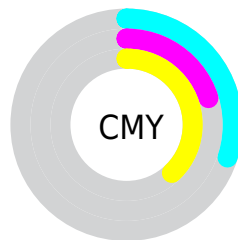
- Red (70%)
- Green (80%)
- Blue (62%)



- Red (62%)
- Yellow (80%)
- Blue (72%)



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)




- Cyan (30%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4413, 55.2726, 41.0219 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 46.4413, 55.2726, 41.0219 by changing the saturation by 10% instead.


 46.4413, 55.2726,
41.0219


 46.4413, 55.2726,
41.0219


363.2663,
406.9444, 366.0915

 32.8003, 39.6200,
28.0164


 84.1029, 97.9402,
77.9712

 22.1320, 27.2424,
18.0988


 108.8542,
125.7241, 102.7520

 14.0711, 17.7554,
10.8508


138.0396,
158.3205, 132.2950

 8.2521, 10.7745,
5.8537

172.0245,
196.1138, 167.0187

 4.3099, 5.9154,
2.6890

211.1743,
239.4885, 207.3417

 1.8789, 2.7937,
0.9379

255.8543,

 0.5645, 1.0250,

288.8289, 253.6824

0.0000

306.4298,
344.5194, 306.4595

■ 0.0000, 0.0000,
0.0000

■ 46.4413, 55.2726,
41.0219

■ 46.4413, 55.2726,
41.0219

■ 42.3026, 53.3286,
32.3376

■ 51.0905, 57.4493,
51.2576

■ 38.6505, 51.6018,
25.1253

■ 56.2642, 59.8594,
63.1114

■ 35.4657, 50.0855,
19.3042

■ 61.9811, 62.5128,
76.6508

■ 32.7255, 48.7701,
14.7842

■ 68.2577, 65.4167,
91.9382

■ 30.4051, 47.6449,
11.4647

■ 74.1278, 68.1850,
103.8618

■ 28.4764, 46.6981,
9.2302

■ 78.0046, 70.1836,
104.0432

■ 26.9069, 45.9158,
7.9425

■ 80.8840, 71.6679,
104.1780

■ 25.8748, 45.3948,
7.3983

Harmonies

Analogous

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



50.8384, 55.2726, 36.4150



46.4413, 55.2726, 41.0219



43.7942, 55.2726, 51.0248

Triad

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



46.4413, 55.2726, 41.0219



49.2317, 55.2726, 90.8488



62.8676, 55.2726, 55.4029

Complementary

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



46.4413, 55.2726, 41.0219



43.0666, 39.3478, 62.4547

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.



62.3676, 55.2726, 70.3751



46.4413, 55.2726, 41.0219



54.2688, 55.2726, 92.5354

Square

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



46.4413, 55.2726, 41.0219



45.3310, 55.2726, 80.2468



59.1396, 55.2726, 84.5371



60.4643, 55.2726, 43.7768

Rectangle

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



46.4413, 55.2726, 41.0219



43.2694, 55.2726, 60.1855



59.1396, 55.2726, 84.5371



63.0370, 55.2726, 60.1794

Sweetspot

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



46.4428, 55.2750, 41.0231



88.7530, 97.0705, 94.2944



48.2506, 49.5199, 39.8170



18.8851, 20.7250, 19.9272



0.0000, 0.0000, 0.0000



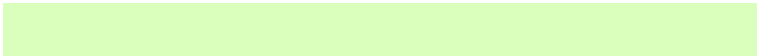
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4428, 55.2750, 41.0231



73.8751, 90.1118, 61.4732



42.3477, 53.1411, 41.8602



11.5334, 12.7768, 11.9377



16.3887, 28.6240, 4.6612



0.9323, 1.5214, 0.2445

Inverse Universe

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



43.0666, 39.3478, 62.4547



67.4020, 59.5802, 102.5554



47.9332, 41.8876, 61.2836



11.1878, 11.1461, 14.1321



11.2828, 5.0240, 36.3313



0.6685, 0.3038, 1.8783

Previews

White Background



This preview shows how the XYZ color 46.4413, 55.2726, 41.0219 looks on a white background.

Color Contrast Check

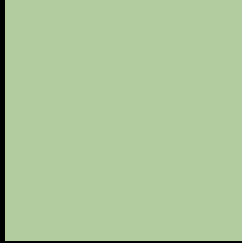
Large Text (above 18pt) WCAG AA × Fail

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 46.4413, 55.2726, 41.0219 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

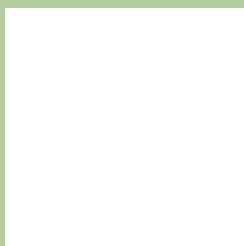
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4413, 55.2726, 41.0219

Background



This preview shows how black text looks on a background with the XYZ color 46.4413, 55.2726, 41.0219.



This preview shows how white text looks on a background with the XYZ color 46.4413, 55.2726,

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

46.4413, 55.2726, 41.0219

Protanopia

51.4439, 54.8067, 38.8777

Deuteranopia

55.8688, 54.7438, 41.8044



Tritanopia

52.3434, 55.2508, 70.1930

Trichromacy



Original Color

46.4413, 55.2726, 41.0219

Protanomaly

49.2208, 54.6588, 39.4085

Deuteranomaly

52.0193, 54.7121, 41.5370

Tritanomaly

50.0471, 55.3492, 58.4978

Monochromacy



Original Color

46.4413, 55.2726, 41.0219

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.3701, 53.2993, 50.3862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4413, 55.2726, 41.0219 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(179, 204, 159)` looks like.

```
.text, #text, p{  
    color:rgb(179, 204, 159)  
}
```

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(179, 204, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 204, 159) }
```

Border

The CSS property to change the border of an element to XYZ 46.4413, 55.2726, 41.0219 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(179, 204, 159) }
```


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

```
.border{ border-color:rgb(179, 204, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 204, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 204, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 204, 159);  
box-shadow:4px 4px 4px 4px rgb(179, 204,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4413, 55.2726, 41.0219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 204, 159) }
```

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

```
.background{ background-color: rgb(179,  
204, 159) }
```

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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