

Converting Colors

XYZ(41.7981, 51.5504, 39.5889)

Have a look what the booklet for
XYZ(41.7981, 51.5504, 39.5889)
contains.

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Color

**XYZ(41.8443, 51.5294,
39.6390)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C89D
RGB	163, 200, 157
RGB Percent	64%, 78%, 62%
CMY	0.3608, 0.2157, 0.3843
CMYK	0.19, 0.00, 0.22, 0.22
HSL	112°, 28%, 70%
HSV	112°, 22%, 78%
XYZ	41.8443, 51.5294, 39.6390
YIQ	184.0350, -8.2490, -21.2170

Conversions

Conversions Part 2

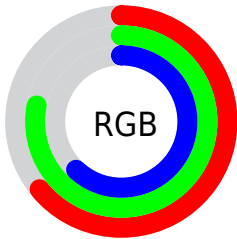
Format	Color
RYB	157, 200, 194
Decimal	10733725
CIELab	77.00, -20.49, 17.53
CIElCh	77, 26.968, 139.443
Yxy	51.5294, 0.3146, 0.3874
Android (android.graphics.Color)	4288923805 (0xFFA3C89D)
YUV	184.0350, -13.3283, -18.4477
Hunter-Lab	71.7840, -21.5708, 17.5089

Details

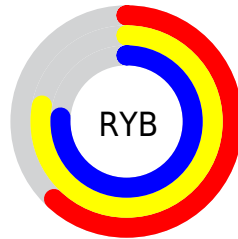
The XYZ color **41.8443, 51.5294, 39.6390** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.7326, 39.7549, 59.9621**, and the grayscale version is **45.6550, 48.0326, 52.3075**.

A 20% lighter version of the original color is **76.5571, 91.1789, 75.8517**, and **19.4359, 24.9779, 17.4325** is the 20% darker color. If you saturate the color by 10%, you get **36.9876, 49.2086, 31.2161**, and if you desaturate by 10%, it is **47.4629, 54.2137, 49.5588**.

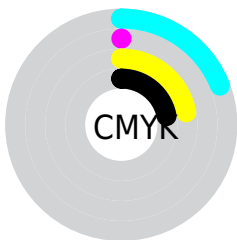
Distribution



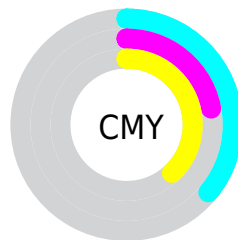
- Red (64%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (76%)



- Cyan (19%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)





- Cyan (36%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8443, 51.5294, 39.6390 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 41.8443, 51.5294, 39.6390 by changing the saturation by 10% instead.


 41.8443, 51.5294,
39.6390


 41.8443, 51.5294,
39.6390


344.8397,
392.6171, 360.1064

 29.1700, 36.6301,
26.9455


 77.2306, 92.4368,
75.8445

 19.3544, 24.9212,
17.3003


 100.6732,
119.2138, 100.1937

 12.0321, 16.0184,
10.2846


128.4360,
150.7187, 129.2652

 6.8379, 9.5372,
5.4800

160.8843,
187.3360, 163.4776

 3.4064, 5.0932,
2.4679

198.3835,
229.4501, 203.2493

 1.3721, 2.3020,
0.8231

241.2989,

 0.2362, 0.7748,

277.4454, 248.9990

0.0000

289.9958,
331.7063, 301.1452

■ 0.0000, 0.0000,
0.0000

■ 41.8443, 51.5294,
39.6390

■ 41.8443, 51.5294,
39.6390

■ 36.9876, 49.2086,
31.2161

■ 47.4629, 54.2137,
49.5588

■ 32.8559, 47.2293,
24.2143

■ 53.8701, 57.2692,
61.0397

■ 29.4152, 45.5772,
18.5563

■ 61.0964, 60.7119,
74.1461

■ 26.6273, 44.2346,
14.1559

■ 69.1693, 64.5546,
88.9381

■ 24.4503, 43.1817,
10.9171

■ 77.7908, 68.6799,
103.7643

■ 22.8370, 42.3967,
8.7299

■ 79.9453, 69.7906,
103.8651

■ 21.7331, 41.8545,
7.4635

■ 21.1315, 41.5561,
6.9074

Harmonies

Analogous

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



45.7599, 51.5294, 33.4213



41.8443, 51.5294, 39.6390



39.8880, 51.5294, 51.0780

Triad

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



41.8443, 51.5294, 39.6390



47.1882, 51.5294, 88.7927



58.9023, 51.5294, 47.2012

Complementary

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



41.8443, 51.5294, 39.6390



44.7326, 39.7549, 59.9621

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.



59.3517, 51.5294, 61.4552



41.8443, 51.5294, 39.6390



52.3417, 51.5294, 87.2601

Square

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



41.8443, 51.5294, 39.6390



42.8269, 51.5294, 80.4809



56.8777, 51.5294, 76.6006



55.6897, 51.5294, 37.2295

Rectangle

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



41.8443, 51.5294, 39.6390



39.8589, 51.5294, 60.8806



56.8777, 51.5294, 76.6006



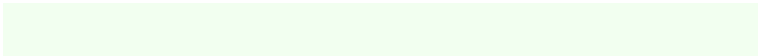
59.3897, 51.5294, 51.5892

Sweetspot

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



41.8457, 51.5316, 39.6401



88.0048, 96.6414, 96.2199



49.0992, 53.0997, 39.5605



18.6792, 20.6102, 20.3129



0.0000, 0.0000, 0.0000



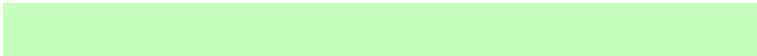
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8457, 51.5316, 39.6401



68.1881, 87.1800, 61.2071



42.0117, 51.4595, 46.7747



10.6328, 11.9577, 11.3104



13.4808, 26.4449, 4.3939



0.6842, 1.2758, 0.2102

Inverse Universe

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



44.7326, 39.7549, 59.9621



74.1018, 63.0341, 102.8689



44.6299, 39.8953, 51.2215



10.9320, 10.7387, 13.4141



17.5171, 8.2646, 35.4163



0.8705, 0.4125, 1.6789

Previews

White Background



This preview shows how the XYZ color 41.8443, 51.5294, 39.6390 looks on a white background.

Color Contrast Check

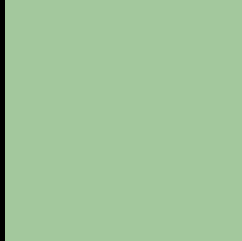
Large Text (above 18pt) WCAG AA × Fail

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 41.8443, 51.5294, 39.6390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

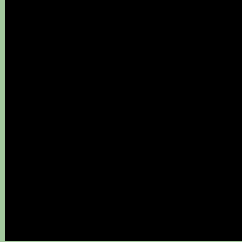
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8443, 51.5294, 39.6390

Background



This preview shows how black text looks on a background with the XYZ color 41.8443, 51.5294, 39.6390.



This preview shows how white text looks on a background with the XYZ color 41.8443, 51.5294,

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

41.8443, 51.5294, 39.6390

Protanopia

47.9525, 51.0797, 37.0378

Deuteranopia

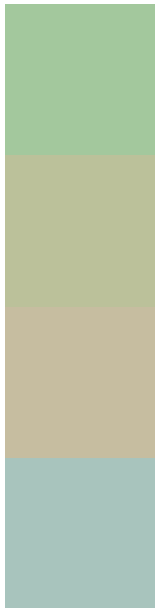
52.0744, 50.9345, 40.8049



Tritanopia

47.2497, 51.3519, 67.0961

Trichromacy



Original Color

41.8443, 51.5294, 39.6390

Protanomaly

45.3962, 51.0378, 38.0305

Deuteranomaly

47.8315, 50.9390, 40.5689

Tritanomaly

45.0737, 51.4788, 55.7049

Monochromacy



Original Color

41.8443, 51.5294, 39.6390

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.9579, 49.1130, 47.2073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8443, 51.5294, 39.6390 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(163, 200, 157)` looks like.

```
.text, #text, p{  
    color:rgb(163, 200, 157)  
}
```

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(163, 200, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 200, 157) }
```

Border

The CSS property to change the border of an element to XYZ 41.8443, 51.5294, 39.6390 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(163, 200, 157) }
```


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

```
.border{ border-color:rgb(163, 200, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 200, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 200, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 200, 157);  
box-shadow:4px 4px 4px 4px rgb(163, 200,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8443, 51.5294, 39.6390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 200, 157) }
```

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

```
.background{ background-color: rgb(163,  
200, 157) }
```

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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