

Converting Colors

XYZ(41.6459, 53.7804, 43.6196)

Have a look what the booklet for
XYZ(41.6459, 53.7804, 43.6196)
contains.

XYZ(41.6820, 53.8263, 43.7899)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.6820, 53.8263,
43.7899)**

Conversions

Conversions Part 1

Format	Color
Hex	96CFA5
RGB	150, 207, 165
RGB Percent	59%, 81%, 65%
CMY	0.4118, 0.1882, 0.3529
CMYK	0.28, 0.00, 0.20, 0.19
HSL	136°, 37%, 70%
HSV	136°, 28%, 81%
XYZ	41.6820, 53.8263, 43.7899
YIQ	185.1690, -20.4900, -25.1460

Conversions

Conversions Part 2

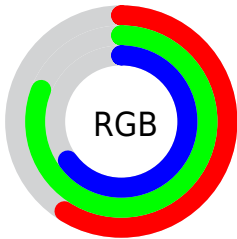
Format	Color
RYB	150, 195, 207
Decimal	9883557
CIELab	78.36, -26.85, 15.06
CIELCh	78, 30.787, 150.709
Yxy	53.8263, 0.2992, 0.3864
Android (android.graphics.Color)	4288073637 (0xFF96CFA5)
YUV	185.1690, -9.9433, -30.8432
Hunter-Lab	73.3664, -26.9792, 15.9683

Details

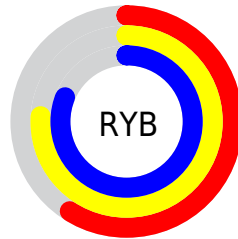
The XYZ color **41.6820, 53.8263, 43.7899** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.1547, 38.8850, 54.9443**, and the grayscale version is **46.2711, 48.6808, 53.0134**.

A 20% lighter version of the original color is **73.8551, 89.6664, 81.1249**, and **19.1386, 26.1901, 19.6693** is the 20% darker color. If you saturate the color by 10%, you get **36.8977, 51.5124, 36.7463**, and if you desaturate by 10%, it is **47.3077, 56.5579, 51.7396**.

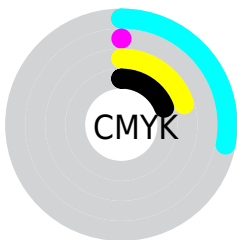
Distribution



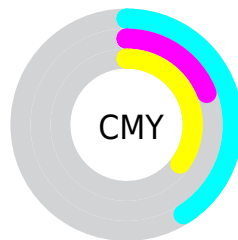
- Red (59%)
- Green (81%)
- Blue (65%)



- Red (59%)
- Yellow (76%)
- Blue (81%)



- Cyan (28%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)



- Cyan (41%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6820, 53.8263, 43.7899 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 41.6820, 53.8263, 43.7899 by changing the saturation by 10% instead.

■ 41.6820, 53.8263,
43.7899

■ 41.6820, 53.8263,
43.7899

344.1771,
401.4473, 377.8665

■ 29.0424, 38.4628,
30.1694

■ 76.9863, 95.8192,
82.2006

■ 19.2573, 26.3421,
19.7141

■ 100.3817,
123.2173, 107.8279

■ 11.9615, 17.0797,
12.0053

128.0931,
155.3958, 138.2945

■ 6.7895, 10.2914,
6.6247

160.4858,
192.7391, 174.0190

■ 3.3759, 5.5926,
3.1537

197.9252,
235.6314, 215.4199

■ 1.3555, 2.5990,
1.1736

240.7767,

■ 0.2242, 0.9261,

284.4573, 262.9157

0.0000

289.4055,
339.6012, 316.9251

■ 0.0000, 0.0000,
0.0000

■ 41.6820, 53.8263,
43.7899

■ 41.6820, 53.8263,
43.7899

■ 36.8977, 51.5124,
36.7463

■ 47.3077, 56.5579,
51.7396

■ 32.9092, 49.5887,
30.5730

■ 53.8088, 59.7194,
60.6223

■ 29.6733, 48.0353,
25.2370

■ 61.2227, 63.3312,
70.4683

■ 27.1405, 46.8274,
20.7020

■ 69.5832, 67.4100,
81.3055

■ 25.2553, 45.9371,
16.9289

■ 78.9225, 71.9718,
93.1607

■ 23.9534, 45.3322,
13.8752

■ 81.6039, 73.1077,
104.4180

■ 23.1473, 44.9685,
11.4935

■ 22.9909, 44.8986,
11.0032

Harmonies

Analogous

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



45.4537, 53.8263, 34.4028



41.6820, 53.8263, 43.7899



40.4004, 53.8263, 59.0205

Triad

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



41.6820, 53.8263, 43.7899



51.3042, 53.8263, 98.5704



61.8131, 53.8263, 43.2052

Complementary

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



41.6820, 53.8263, 43.7899



46.1547, 38.8850, 54.9443

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.



63.6787, 53.8263, 58.1968



41.6820, 53.8263, 43.7899



57.3256, 53.8263, 92.1214

Square

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



41.6820, 53.8263, 43.7899



45.6842, 53.8263, 92.6793



61.9764, 53.8263, 76.4397



57.0573, 53.8263, 34.1149

Rectangle

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



41.6820, 53.8263, 43.7899



41.0444, 53.8263, 71.1787



61.9764, 53.8263, 76.4397



62.8151, 53.8263, 47.6115

Sweetspot

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



41.6834, 53.8286, 43.7911



85.6125, 95.4035, 96.3158



49.7485, 58.1349, 37.4538



17.9678, 20.2466, 20.1333



0.0000, 0.0000, 0.0000



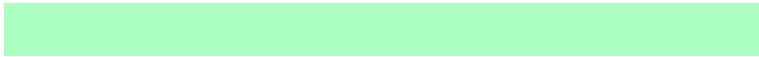
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6834, 53.8286, 43.7911



62.1469, 84.0111, 63.3890



44.4899, 54.9511, 58.5698



11.7822, 13.2566, 13.2095



14.5181, 28.3002, 7.1087



0.8449, 1.5956, 0.5721

Inverse Universe

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



46.1547, 38.8850, 54.9443



70.4620, 56.2041, 84.1176



43.3635, 37.7685, 40.2459



12.1724, 11.9537, 14.1838



19.8512, 9.8133, 19.9205



1.1416, 0.5614, 1.2807

Previews

White Background



This preview shows how the XYZ color 41.6820, 53.8263, 43.7899 looks on a white background.

Color Contrast Check

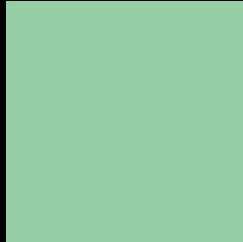
Large Text (above 18pt) WCAG AA × Fail

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 41.6820, 53.8263, 43.7899 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

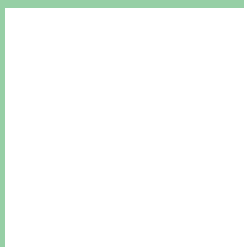
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6820, 53.8263, 43.7899

Background



This preview shows how black text looks on a background with the XYZ color 41.6820, 53.8263, 43.7899.



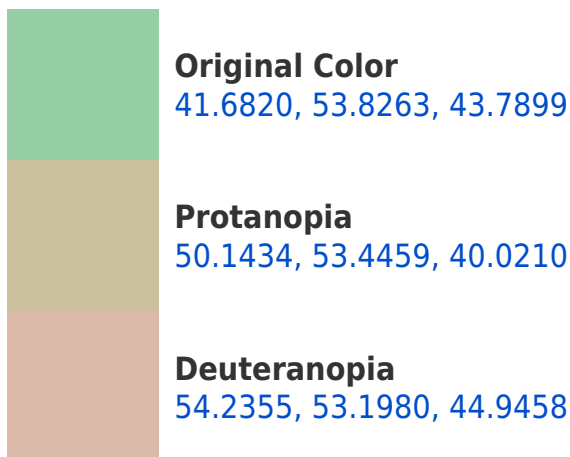
This preview shows how white text looks on a background with the XYZ color 41.6820, 53.8263,

43.7899.

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

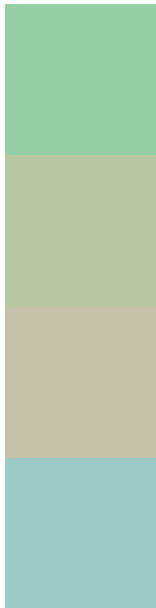




Tritanopia

47.5462, 53.7400, 72.8327

Trichromacy



Original Color

41.6820, 53.8263, 43.7899

Protanomaly

46.3943, 53.1517, 41.5323

Deuteranomaly

48.8653, 53.0128, 44.7028

Tritanomaly

45.1443, 53.8110, 60.8305

Monochromacy



Original Color

41.6820, 53.8263, 43.7899

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.1191, 50.1249, 49.4692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6820, 53.8263, 43.7899 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(150, 207, 165)` looks like.

```
.text, #text, p{  
    color:rgb(150, 207, 165)  
}
```

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(150, 207, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 207, 165) }
```

Border

The CSS property to change the border of an element to XYZ 41.6820, 53.8263, 43.7899 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(150, 207, 165) }
```


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

```
.border{ border-color:rgb(150, 207, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 207, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 207, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 207, 165);  
box-shadow:4px 4px 4px 4px rgb(150, 207,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6820, 53.8263, 43.7899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 207, 165) }
```

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

```
.background{ background-color: rgb(150,  
207, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor