

Converting Colors

XYZ(40.7815, 44.9020, 63.6443)

Have a look what the booklet for
XYZ(40.7815, 44.9020, 63.6443)
contains.

XYZ(40.7815, 44.9020, 63.6443)	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(40.7815, 44.9020,
63.6443)**

Conversions

Conversions Part 1

Format	Color
Hex	98B7CC
RGB	152, 183, 204
RGB Percent	60%, 72%, 80%
CMY	0.4039, 0.2823, 0.2000
CMYK	0.25, 0.10, 0.00, 0.20
HSL	204°, 34%, 70%
HSV	204°, 25%, 80%
XYZ	40.7815, 44.9020, 63.6443
YIQ	176.1250, -25.2170, -0.0410

Conversions

Conversions Part 2

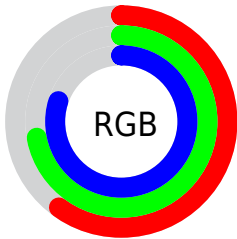
Format	Color
RYB	152, 171, 204
Decimal	10008524
CIELab	72.83, -5.76, -14.07
CIELCh	73, 15.205, 247.749
Yxy	44.9020, 0.2731, 0.3007
Android (android.graphics.Color)	4288198604 (0xFF98B7CC)
YUV	176.1250, 13.7424, -21.1576
Hunter-Lab	67.0090, -8.6310, -9.4067

Details

The XYZ color **40.7815, 44.9020, 63.6443** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.5135, 44.9919, 35.9924**, and the grayscale version is **41.2731, 43.4225, 47.2871**.

A 20% lighter version of the original color is **74.6486, 82.2184, 106.5431**, and **18.7432, 20.8766, 31.8959** is the 20% darker color. If you saturate the color by 10%, you get **35.6373, 39.8021, 62.9318**, and if you desaturate by 10%, it is **46.6845, 50.5430, 64.4227**.

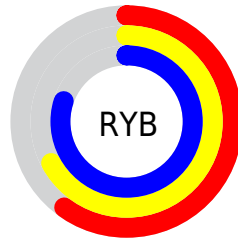
Distribution



Red (60%)

Green (72%)

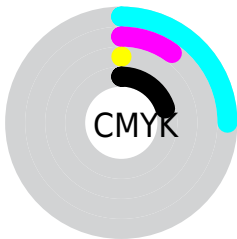
Blue (80%)



Red (60%)

Yellow (67%)

Blue (80%)

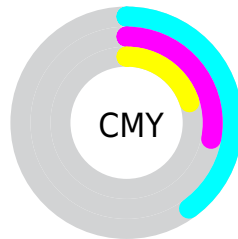


Cyan (25%)

Magenta (10%)

Yellow (0%)

Black (20%)



Cyan (40%)

Magenta (28%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7815, 44.9020, 63.6443 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 40.7815, 44.9020, 63.6443 by changing the saturation by 10% instead.

■ 40.7815, 44.9020,
63.6443

■ 40.7815, 44.9020,
63.6443

340.4848,
366.3765, 456.0762

■ 28.3353, 31.3802,
45.9183

■ 75.6289, 82.5733,
111.6930

■ 18.7203, 20.8886,
31.8332

■ 98.7608, 107.4917,
142.8529

■ 11.5712, 13.0426,
20.9703

126.1853,
136.9777, 179.3277

■ 6.5225, 7.4579,
12.9113

158.2679,
171.4158, 221.5361

■ 3.2090, 3.7501,
7.2375

195.3737,
211.1903, 269.8966

■ 1.2652, 1.5348,
3.5304

237.8682,

■ 0.1569, 0.3130,

256.6857, 324.8278

1.3714

286.1168,
308.2863, 386.7481

■ 0.0000, 0.0000,
0.1193

■ 0.0000, 0.0000,
0.0000

■ 40.7815, 44.9020,
63.6443

■ 40.7815, 44.9020,
63.6443

■ 35.6373, 39.8021,
62.9318

■ 46.6845, 50.5430,
64.4227

■ 31.2127, 35.2171,
62.2800

■ 53.3752, 56.7390,
65.2661

■ 27.4706, 31.1266,
61.6877

■ 60.8857, 63.5101,
66.1772

■ 24.3688, 27.5062,
61.1524

■ 69.2451, 70.8737,
67.1579

■ 21.8601, 24.3287,
60.6713

■ 78.4810, 78.8461,
68.2099

■ 19.8898, 21.5631,
60.2413

■ 81.1172, 83.5756,
68.9839

■ 18.3910, 19.1722,
59.8588

■ 83.4965, 88.3341,
69.7770

■ 17.8126, 18.1863,
59.6990

■ 85.9859, 93.3131,
70.6068

■ 87.8992, 97.1397,
71.2446

Harmonies

Analogous

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



38.7826, 44.9020, 58.3582



40.7815, 44.9020, 63.6443



43.3673, 44.9020, 64.7853

Triad

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



40.7815, 44.9020, 63.6443



47.9169, 44.9020, 46.9534



39.6403, 44.9020, 38.2570

Complementary

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



40.7815, 44.9020, 63.6443



45.5135, 44.9919, 35.9924

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.



41.9961, 44.9020, 35.8348



40.7815, 44.9020, 63.6443



46.8259, 44.9020, 40.5068

Square

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



40.7815, 44.9020, 63.6443



47.5590, 44.9020, 54.6145



44.6324, 44.9020, 36.6138



38.1430, 44.9020, 43.5814

Rectangle

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



40.7815, 44.9020, 63.6443



45.0894, 44.9020, 62.9431



44.6324, 44.9020, 36.6138



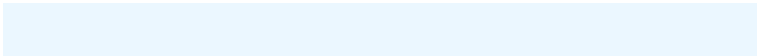
40.3541, 44.9020, 37.1028

Sweetspot

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



40.7829, 44.9038, 63.6453



85.3671, 91.1903, 107.7099



42.0663, 52.8715, 47.4229



17.9036, 19.1788, 23.0082



0.0000, 0.0000, 0.0000



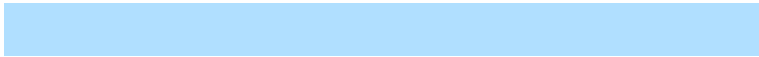
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7829, 44.9038, 63.6453



62.3519, 69.2616, 104.6903



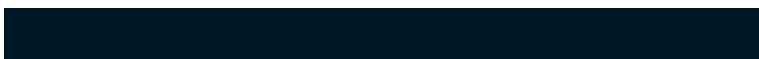
35.9399, 35.2179, 62.0310



11.1485, 11.9375, 14.2869



11.3046, 11.6332, 37.6059



0.6564, 0.7466, 1.9645

Inverse Universe

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



44.6785, 38.7140, 49.9194



70.0854, 57.6230, 77.2961



50.9476, 55.8601, 37.8038



11.4883, 11.3241, 13.1061



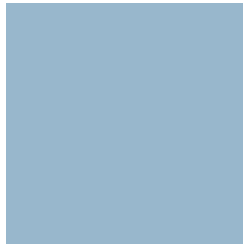
17.9170, 8.9774, 12.5473



0.9613, 0.4779, 0.8419

Previews

White Background



This preview shows how the XYZ color 40.7815, 44.9020, 63.6443 looks on a white background.

Color Contrast Check

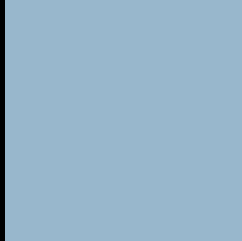
Large Text (above 18pt) WCAG AA × Fail

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 40.7815, 44.9020, 63.6443 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

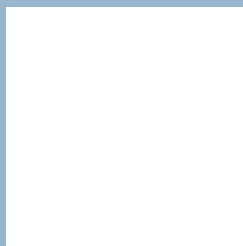
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7815, 44.9020, 63.6443

Background



This preview shows how black text looks on a background with the XYZ color 40.7815, 44.9020, 63.6443.



This preview shows how white text looks on a background with the XYZ color 40.7815, 44.9020,

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

40.7815, 44.9020, 63.6443

Protanopia

43.8267, 44.7284, 60.9671

Deuteranopia

45.8051, 44.7956, 64.6248



Tritanopia

40.2118, 44.9838, 60.5962

Trichromacy



Original Color

40.7815, 44.9020, 63.6443

Protanomaly

42.5991, 44.6727, 61.6358

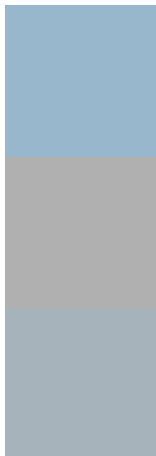
Deuteranomaly

43.7548, 44.6227, 64.0645

Tritanomaly

40.4456, 45.0773, 61.8274

Monochromacy



Original Color

40.7815, 44.9020, 63.6443

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.9194, 44.0009, 52.7907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7815, 44.9020, 63.6443 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(152, 183, 204)` looks like.

```
.text, #text, p{  
    color:rgb(152, 183, 204)  
}
```

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(152, 183, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 183, 204) }
```

Border

The CSS property to change the border of an element to XYZ 40.7815, 44.9020, 63.6443 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(152, 183, 204) }
```


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

```
.border{ border-color:rgb(152, 183, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 183, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 183, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 183, 204);  
box-shadow:4px 4px 4px 4px rgb(152, 183,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7815, 44.9020, 63.6443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 183, 204) }
```

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

```
.background{ background-color: rgb(152,  
183, 204) }
```

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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