

Converting Colors

XYZ(41.7505, 46.4081, 63.3626)

Have a look what the booklet for
XYZ(41.7505, 46.4081, 63.3626)
contains.

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Color

**XYZ(41.6648, 46.2996,
63.2407)**

Conversions

Conversions Part 1

Format	Color
Hex	9ABACB
RGB	154, 186, 203
RGB Percent	60%, 73%, 80%
CMY	0.3961, 0.2706, 0.2039
CMYK	0.24, 0.08, 0.00, 0.20
HSL	201°, 32%, 70%
HSV	201°, 24%, 80%
XYZ	41.6648, 46.2996, 63.2407
YIQ	178.3700, -24.5290, -1.4970

Conversions

Conversions Part 2

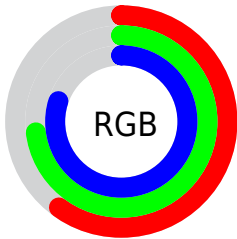
Format	Color
RYB	154, 173, 203
Decimal	10140363
CIELab	73.74, -6.99, -12.15
CIElCh	74, 14.012, 240.093
Yxy	46.2996, 0.2756, 0.3062
Android (android.graphics.Color)	4288330443 (0xFF9ABACB)
YUV	178.3700, 12.1426, -21.3725
Hunter-Lab	68.0438, -9.7770, -7.4741

Details

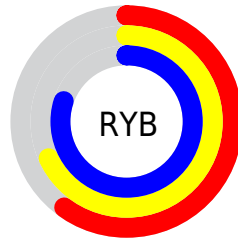
The XYZ color **41.6648, 46.2996, 63.2407** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.0248, 44.1557, 36.7227**, and the grayscale version is **42.4609, 44.6722, 48.6480**.

A 20% lighter version of the original color is **76.0966, 84.2796, 106.8646**, and **19.2918, 21.7698, 31.6190** is the 20% darker color. If you saturate the color by 10%, you get **36.6762, 41.5806, 62.5935**, and if you desaturate by 10%, it is **47.3827, 51.5055, 63.9449**.

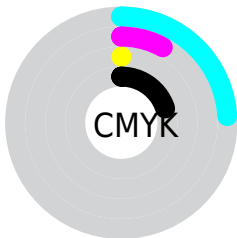
Distribution



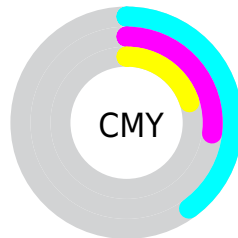
- Red (60%)
- Green (73%)
- Blue (80%)



- Red (60%)
- Yellow (68%)
- Blue (80%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (40%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6648, 46.2996, 63.2407 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 41.6648, 46.2996, 63.2407 by changing the saturation by 10% instead.

■ 41.6648, 46.2996,
63.2407

■ 41.6648, 46.2996,
63.2407

344.1068,
372.0118, 454.5745

■ 29.0289, 32.4823,
45.5937

■ 76.9604, 84.6672,
111.1056

■ 19.2471, 21.7302,
31.5790

■ 100.3508,
109.9863, 142.1606

■ 11.9540, 13.6588,
20.7780

128.0567,
139.9081, 178.5221

■ 6.7843, 7.8837,
12.7721

160.4436,
174.8170, 220.6085

■ 3.3727, 4.0206,
7.1430

197.8766,
215.0975, 268.8384

■ 1.3538, 1.6851,
3.4719

240.7213,

■ 0.2229, 0.4140,

261.1338, 323.6303

1.3403

289.3429,
313.3105, 385.4028

■ 0.0000, 0.0000,
0.0945

■ 0.0000, 0.0000,
0.0000

■ 41.6648, 46.2996,
63.2407

■ 41.6648, 46.2996,
63.2407

■ 36.6762, 41.5806,
62.5935

■ 47.3827, 51.5055,
63.9449

■ 32.3788, 37.3237,
61.9984

■ 53.8574, 57.2103,
64.7048

■ 28.7372, 33.5104,
61.4543

■ 61.1197, 63.4328,
65.5231

■ 25.7111, 30.1182,
60.9590

■ 69.1977, 70.1888,
66.4014

■ 23.2552, 27.1221,
60.5101

■ 77.9326, 77.3978,
67.3325

■ 21.3172, 24.4934,
60.1049

■ 79.8335, 81.1996,
67.9661

■ 19.8343, 22.1981,
59.7400

■ 81.8134, 85.1594,
68.6261

■ 19.1099, 20.9723,
59.5416

■ 83.8731, 89.2788,
69.3127

■ 86.0136, 93.5598,
70.0262

Harmonies

Analogous

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



39.9971, 46.2996, 57.5960



41.6648, 46.2996, 63.2407



44.0141, 46.2996, 65.3859

Triad

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



41.6648, 46.2996, 63.2407



48.9639, 46.2996, 50.3902



41.6519, 46.2996, 39.4668

Complementary

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



41.6648, 46.2996, 63.2407



45.0248, 44.1557, 36.7227

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.



43.9986, 46.2996, 37.9194



41.6648, 46.2996, 63.2407



48.2750, 46.2996, 43.8524

Square

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



41.6648, 46.2996, 63.2407



48.2833, 46.2996, 57.5541



46.4341, 46.2996, 39.4480



39.9898, 46.2996, 43.8874

Rectangle

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



41.6648, 46.2996, 63.2407



45.6698, 46.2996, 64.3996



46.4341, 46.2996, 39.4480



42.3839, 46.2996, 38.6130

Sweetspot

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



41.6662, 46.3015, 63.2418



86.8415, 92.8830, 107.9589



41.9706, 52.4977, 46.1177



18.4428, 19.7538, 23.0908



0.0000, 0.0000, 0.0000



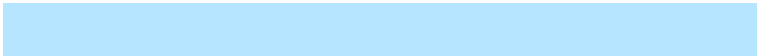
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6662, 46.3015, 63.2418



65.2332, 73.2806, 105.3142



37.0566, 37.0823, 61.7052



11.2030, 12.0463, 14.3051



12.2492, 13.5223, 37.9207



0.7011, 0.8360, 1.9794

Inverse Universe

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



45.0483, 39.3540, 51.6782



71.9654, 60.0046, 82.1720



49.9400, 53.9861, 38.3611



11.5158, 11.3351, 13.2508



18.3937, 9.1681, 15.0579



0.9838, 0.4869, 0.9608

Previews

White Background



This preview shows how the XYZ color 41.6648, 46.2996, 63.2407 looks on a white background.

Color Contrast Check

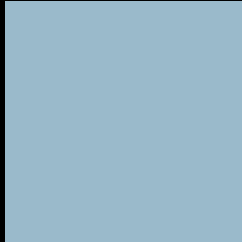
Large Text (above 18pt) WCAG AA × Fail

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 41.6648, 46.2996, 63.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

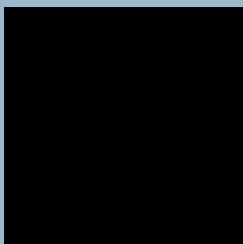
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

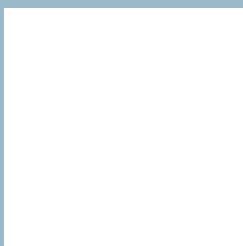
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6648, 46.2996, 63.2407

Background



This preview shows how black text looks on a background with the XYZ color 41.6648, 46.2996, 63.2407.



This preview shows how white text looks on a background with the XYZ color 41.6648, 46.2996,

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

41.6648, 46.2996, 63.2407

Protanopia

45.2205, 46.3497, 60.5959

Deuteranopia

47.0383, 46.0232, 64.1618



Tritanopia

41.4279, 46.2049, 61.9933

Trichromacy



Original Color

41.6648, 46.2996, 63.2407

Protanomaly

43.7308, 46.1721, 61.2508

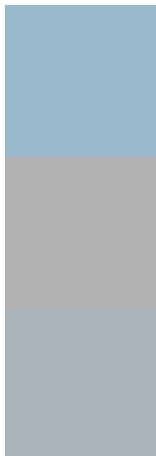
Deuteranomaly

44.8995, 46.1161, 63.6616

Tritanomaly

41.5460, 46.2521, 62.6150

Monochromacy



Original Color

41.6648, 46.2996, 63.2407

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.8557, 45.0706, 53.5072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6648, 46.2996, 63.2407 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(154, 186, 203)` looks like.

```
.text, #text, p{  
    color:rgb(154, 186, 203)  
}
```

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(154, 186, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 186, 203) }
```

Border

The CSS property to change the border of an element to XYZ 41.6648, 46.2996, 63.2407 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(154, 186, 203) }
```


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

```
.border{ border-color:rgb(154, 186, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 186, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 186, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 186, 203);  
box-shadow:4px 4px 4px 4px rgb(154, 186,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6648, 46.2996, 63.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 186, 203) }
```

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

```
.background{ background-color: rgb(154,  
186, 203) }
```

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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