

Converting Colors

XYZ(40.0892, 45.4342, 61.4097)

Have a look what the booklet for
XYZ(40.0892, 45.4342, 61.4097)
contains.

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Color

**XYZ(40.1970, 45.5838,
61.3235)**

Conversions

Conversions Part 1

Format	Color
Hex	94BAC8
RGB	148, 186, 200
RGB Percent	58%, 73%, 78%
CMY	0.4196, 0.2706, 0.2157
CMYK	0.26, 0.07, 0.00, 0.22
HSL	196°, 32%, 68%
HSV	196°, 26%, 78%
XYZ	40.1970, 45.5838, 61.3235
YIQ	176.2340, -27.1420, -3.7020

Conversions

Conversions Part 2

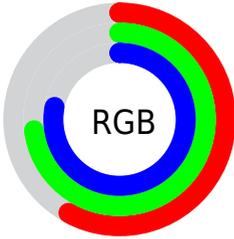
Format	Color
RYB	148, 170, 200
Decimal	9747144
CIELab	73.27, -9.50, -11.24
CIElCh	73, 14.717, 229.816
Yxy	45.5838, 0.2733, 0.3099
Android (android.graphics.Color)	4287937224 (0xFF94BAC8)
YUV	176.2340, 11.7166, -24.7612
Hunter-Lab	67.5158, -11.8787, -6.5911

Details

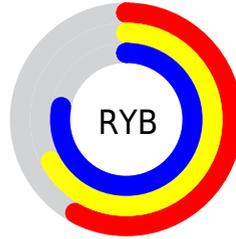
The XYZ color **40.1970, 45.5838, 61.3235** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.0857, 40.2586, 33.5707**, and the grayscale version is **41.3409, 43.4938, 47.3648**.

A 20% lighter version of the original color is **74.4307, 83.4208, 106.7866**, and **18.3997, 21.3372, 30.3428** is the 20% darker color. If you saturate the color by 10%, you get **35.7746, 41.6528, 60.7986**, and if you desaturate by 10%, it is **45.2900, 49.9262, 61.8940**.

Distribution



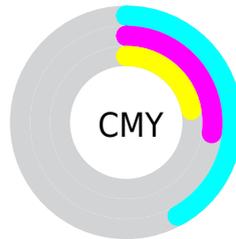
- Red (58%)
- Green (73%)
- Blue (78%)



- Red (58%)
- Yellow (67%)
- Blue (78%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (42%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1970, 45.5838, 61.3235 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 40.1970, 45.5838, 61.3235 by changing the saturation by 10% instead.

■ 40.1970, 45.5838,
61.3235

■ 40.1970, 45.5838,
61.3235

338.0734,
369.1328, 447.3985

■ 27.8771, 31.9175,
44.0540

■ 74.7458, 83.5958,
108.3093

■ 18.3730, 21.2985,
30.3755

■ 97.7055, 108.7103,
138.8627

■ 11.3194, 13.3424,
19.8693

124.9424,
138.4096, 174.6812

■ 6.3510, 7.6647,
12.1169

156.8219,
173.0782, 216.1833

■ 3.1023, 3.8812,
6.6999

193.7094,
213.1004, 263.7875

■ 1.2081, 1.6073,
3.1995

235.9702,

■ 0.1128, 0.3625,

258.8606, 317.9124

1.1974

283.9698,
310.7433, 378.9766

■ 0.0000, 0.0000,
0.0000

■ 40.1970, 45.5838,
61.3235

■ 40.1970, 45.5838,
61.3235

■ 35.7746, 41.6528,
60.7986

■ 45.2900, 49.9262,
61.8940

■ 31.9860, 38.1102,
60.3145

■ 51.0796, 54.6907,
62.5085

■ 28.7971, 34.9389,
59.8704

■ 57.5958, 59.8945,
63.1695

■ 26.1689, 32.1179,
59.4644

■ 64.8651, 65.5521,
63.8784

■ 24.0571, 29.6237,
59.0943

■ 72.9130, 71.6771,
64.6365

■ 22.4105, 27.4293,
58.7575

■ 76.8166, 75.7324,
65.2135

■ 21.1652, 25.5009,
58.4510

■ 78.2382, 78.5756,
65.6873

■ 20.7293, 24.7779,
58.3344

■ 79.7055, 81.5103,
66.1764

■ 81.2191, 84.5375,
66.6810

Harmonies

Analogous

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



38.8156, 45.5838, 54.6175



40.1970, 45.5838, 61.3235



42.4531, 45.5838, 65.0056

Triad

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



40.1970, 45.5838, 61.3235



48.4053, 45.5838, 52.1929



41.6626, 45.5838, 37.4079

Complementary

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



40.1970, 45.5838, 61.3235



42.0857, 40.2586, 33.5707

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.



44.2109, 45.5838, 36.8978



40.1970, 45.5838, 61.3235



48.1730, 45.5838, 44.9614

Square

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



40.1970, 45.5838, 61.3235



47.2359, 45.5838, 59.3975



46.6134, 45.5838, 39.5315



39.6381, 45.5838, 41.0019

Rectangle

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



40.1970, 45.5838, 61.3235



44.1791, 45.5838, 65.0245



46.6134, 45.5838, 39.5315



42.4840, 45.5838, 36.8848

Sweetspot

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



40.1984, 45.5856, 61.3245



86.2121, 92.8803, 107.9916



39.3778, 50.2093, 41.7374



18.1170, 19.6056, 23.0793



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.



40.1984, 45.5856, 61.3245



65.2864, 75.1307, 105.6685



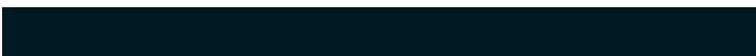
35.2331, 35.6551, 59.6694



10.6959, 11.5659, 13.5862



13.2575, 15.9089, 37.1163



0.6853, 0.8683, 1.7766

Inverse Universe

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



43.2734, 37.0056, 51.3184



71.5666, 58.2155, 85.0960



47.1203, 50.3279, 35.2489



10.9565, 10.7660, 12.7544



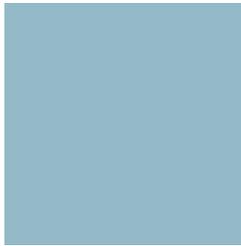
18.4911, 9.1460, 18.3278



0.9046, 0.4447, 1.0207

Previews

White Background



This preview shows how the XYZ color 40.1970, 45.5838, 61.3235 looks on a white background.

Color Contrast Check

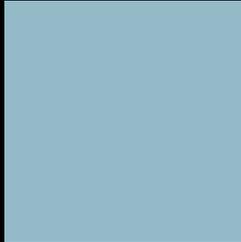
Large Text (above 18pt) WCAG AA × Fail

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 40.1970, 45.5838, 61.3235 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 40.1970, 45.5838, 61.3235

Background



This preview shows how black text looks on a background with the XYZ color 40.1970, 45.5838, 61.3235.



This preview shows how white text looks on a background with the XYZ color 40.1970, 45.5838,

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

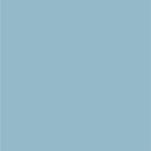
40.1970, 45.5838, 61.3235

Protanopia

44.1308, 45.2459, 58.0371

Deuteranopia

46.2403, 45.3633, 62.1960



Tritanopia

40.3143, 45.6308, 61.9412

Trichromacy



Original Color

40.1970, 45.5838, 61.3235

Protanomaly

42.5383, 45.2945, 59.3240

Deuteranomaly

43.6760, 45.2279, 61.6862

Tritanomaly

40.3143, 45.6308, 61.9412

Monochromacy



Original Color

40.1970, 45.5838, 61.3235

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.8041, 44.2523, 52.2899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1970, 45.5838, 61.3235 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(148, 186, 200)` looks like.

```
.text, #text, p{  
    color:rgb(148, 186, 200)  
}
```

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(148, 186, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 186, 200) }
```

Border

The CSS property to change the border of an element to XYZ 40.1970, 45.5838, 61.3235 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(148, 186, 200) }
```

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

```
.border{ border-color:rgb(148, 186, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 186, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 186, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 186, 200);  
box-shadow:4px 4px 4px 4px rgb(148, 186,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1970, 45.5838, 61.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 186, 200) }
```

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

```
.background{ background-color: rgb(148,  
186, 200) }
```

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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