

Converting Colors

XYZ(40.6695, 42.4452, 64.7930)

Have a look what the booklet for
XYZ(40.6695, 42.4452, 64.7930)
contains.

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Color

**XYZ(40.6930, 42.4340,
65.0773)**

Conversions

Conversions Part 1

Format	Color
Hex	9EAFCF
RGB	158, 175, 207
RGB Percent	62%, 69%, 81%
CMY	0.3804, 0.3137, 0.1882
CMYK	0.24, 0.15, 0.00, 0.19
HSL	219°, 34%, 72%
HSV	219°, 24%, 81%
XYZ	40.6930, 42.4340, 65.0773
YIQ	173.5650, -20.4040, 6.3480

Conversions

Conversions Part 2

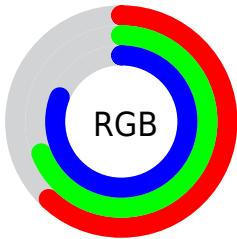
Format	Color
R_{YB}	158, 171, 207
Decimal	10399695
CIE _{Lab}	71.17, 1.12, -18.18
CIE _{LCh}	71, 18.212, 273.516
Yxy	42.4340, 0.2746, 0.2863
Android (android.graphics.Color)	4288589775 (0xFF9EAFCF)
YUV	173.5650, 16.4835, -13.6505
Hunter-Lab	65.1414, -2.4907, -13.6327

Details

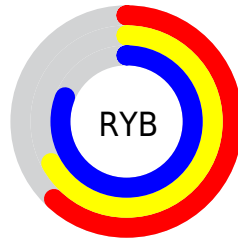
The XYZ color **40.6930, 42.4340, 65.0773** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.3177, 52.5612, 39.8422**, and the grayscale version is **39.9359, 42.0157, 45.7551**.

A 20% lighter version of the original color is **73.7874, 77.9598, 105.7665**, and **18.7766, 19.5300, 32.9170** is the 20% darker color. If you saturate the color by 10%, you get **34.4587, 35.5088, 64.0699**, and if you desaturate by 10%, it is **47.8792, 50.2429, 66.2065**.

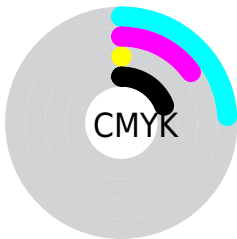
Distribution



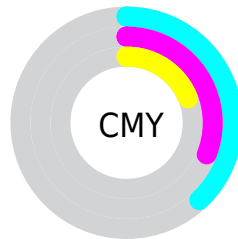
- Red (62%)
- Green (69%)
- Blue (81%)



- Red (62%)
- Yellow (67%)
- Blue (81%)



- Cyan (24%)
- Magenta (15%)
- Yellow (0%)
- Black (19%)



- Cyan (38%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6930, 42.4340, 65.0773 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 40.6930, 42.4340, 65.0773 by changing the saturation by 10% instead.

■ 40.6930, 42.4340,
65.0773

■ 40.6930, 42.4340,
65.0773

340.1204,
356.2789, 461.3835

■ 28.2659, 29.4413,
47.0720

■ 75.4953, 78.8560,
113.7753

■ 18.6677, 19.4149,
32.7378

■ 98.6012, 103.0542,
145.3051

■ 11.5330, 11.9705,
21.6562

125.9974,
131.7562, 182.1802

■ 6.4964, 6.7236,
13.4086

158.0492,
165.3465, 224.8191

■ 3.1927, 3.2898,
7.5765

195.1221,
204.2096, 273.6404

■ 1.2565, 1.2849,
3.7413

237.5814,

■ 0.1503, 0.1294,

248.7297, 329.0625

1.4845

285.7924,
299.2914, 391.5040

■ 0.0000, 0.0000,
0.2064

■ 0.0000, 0.0000,
0.0000

■ 40.6930, 42.4340,
65.0773

■ 40.6930, 42.4340,
65.0773

■ 34.4587, 35.5088,
64.0699

■ 47.8792, 50.2429,
66.2065

■ 29.1303, 29.4292,
63.1772

■ 56.0525, 58.9618,
67.4586

■ 24.6636, 24.1614,
62.3959

■ 65.2515, 68.6218,
68.8384

■ 21.0092, 19.6673,
61.7210

■ 75.5110, 79.2512,
70.3493

■ 18.1120, 15.9053,
61.1476

■ 84.4314, 89.6226,
71.8811

■ 15.9093, 12.8288,
60.6699

■ 88.2626, 97.2850,
73.1581

■ 14.3266, 10.3843,
60.2815

■ 13.5686, 9.1169,
60.0768

Harmonies

Analogous

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



37.7730, 42.4340, 62.9264



40.6930, 42.4340, 65.0773



43.6580, 42.4340, 61.6692

Triad

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



40.6930, 42.4340, 65.0773



45.4221, 42.4340, 37.5358



35.3074, 42.4340, 39.1107

Complementary

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



40.6930, 42.4340, 65.0773



50.3177, 52.5612, 39.8422

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.



37.1798, 42.4340, 33.5671



40.6930, 42.4340, 65.0773



43.0045, 42.4340, 32.7414

Square

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



40.6930, 42.4340, 65.0773



46.4737, 42.4340, 45.1809



39.9736, 42.4340, 31.3848



34.7572, 42.4340, 47.2412

Rectangle

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



40.6930, 42.4340, 65.0773



45.2338, 42.4340, 56.9272



39.9736, 42.4340, 31.3848



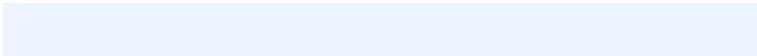
35.7982, 42.4340, 36.9188

Sweetspot

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



40.6943, 42.4357, 65.0783



85.1786, 89.5573, 107.4046



45.6922, 55.6067, 56.9551



18.0578, 18.9838, 22.9624



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.



40.6943, 42.4357, 65.0783



60.3685, 62.6552, 103.5196



39.0803, 36.9968, 64.1135



11.4943, 12.0789, 14.9693



8.6289, 5.9044, 37.8774



0.5559, 0.4770, 2.1423

Inverse Universe

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



45.6979, 40.8154, 46.0289



69.7287, 59.9475, 67.8117



52.2112, 59.3263, 41.0482



11.9757, 11.8750, 13.1476



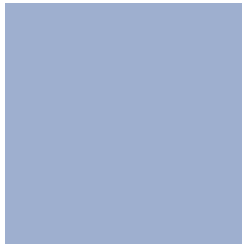
16.9862, 8.6673, 4.8335



0.9868, 0.4994, 0.4654

Previews

White Background



This preview shows how the XYZ color 40.6930, 42.4340, 65.0773 looks on a white background.

Color Contrast Check

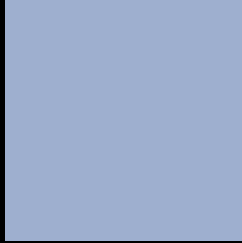
Large Text (above 18pt) WCAG AA × Fail

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 40.6930, 42.4340, 65.0773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

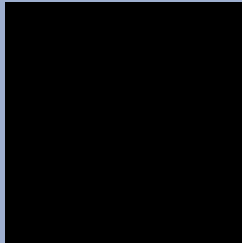
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6930, 42.4340, 65.0773

Background



This preview shows how black text looks on a background with the XYZ color 40.6930, 42.4340, 65.0773.



This preview shows how white text looks on a background with the XYZ color 40.6930, 42.4340,

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

40.6930, 42.4340, 65.0773

Protanopia

41.7083, 42.1283, 63.6909

Deuteranopia

43.2155, 42.3022, 65.5619



Tritanopia

38.9524, 42.6151, 56.0417

Trichromacy



Original Color

40.6930, 42.4340, 65.0773

Protanomaly

41.3940, 42.2359, 64.3632

Deuteranomaly

42.2861, 42.3839, 65.6267

Tritanomaly

39.5105, 42.5434, 58.9526

Monochromacy



Original Color

40.6930, 42.4340, 65.0773

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.1474, 42.1421, 52.4726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6930, 42.4340, 65.0773 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(158, 175, 207)` looks like.

```
.text, #text, p{  
    color:rgb(158, 175, 207)  
}
```

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(158, 175, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 175, 207) }
```

Border

The CSS property to change the border of an element to XYZ 40.6930, 42.4340, 65.0773 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(158, 175, 207) }
```


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

```
.border{ border-color:rgb(158, 175, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 175, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 175, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 175, 207);  
box-shadow:4px 4px 4px 4px rgb(158, 175,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6930, 42.4340, 65.0773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 175, 207) }
```

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

```
.background{ background-color: rgb(158,  
175, 207) }
```

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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