

Converting Colors

XYZ(40.5052, 44.7500, 69.4183)

Have a look what the booklet for
XYZ(40.5052, 44.7500, 69.4183)
contains.

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Color

**XYZ(40.4453, 44.6004,
69.4278)**

Conversions

Conversions Part 1

Format	Color
Hex	90B7D5
RGB	144, 183, 213
RGB Percent	56%, 72%, 84%
CMY	0.4353, 0.2823, 0.1647
CMYK	0.32, 0.14, 0.00, 0.16
HSL	206°, 45%, 70%
HSV	206°, 32%, 84%
XYZ	40.4453, 44.6004, 69.4278
YIQ	174.7590, -32.8740, 1.0620

Conversions

Conversions Part 2

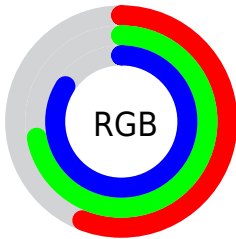
Format	Color
RYB	144, 169, 213
Decimal	9484245
CIELab	72.63, -5.94, -19.34
CIELCh	73, 20.227, 252.929
Yxy	44.6004, 0.2618, 0.2887
Android (android.graphics.Color)	4287674325 (0xFF90B7D5)
YUV	174.7590, 18.8528, -26.9756
Hunter-Lab	66.7835, -8.7684, -14.8891

Details

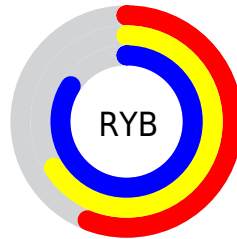
The XYZ color **40.4453, 44.6004, 69.4278** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.6113, 46.4322, 32.8396**, and the grayscale version is **40.5420, 42.6533, 46.4495**.

A 20% lighter version of the original color is **72.4697, 81.0951, 106.4411**, and **18.4686, 20.6580, 35.3618** is the 20% darker color. If you saturate the color by 10%, you get **35.2228, 39.1662, 68.6549**, and if you desaturate by 10%, it is **46.4982, 50.6513, 70.2775**.

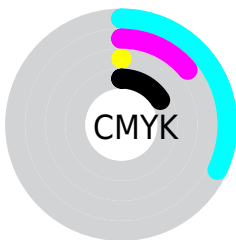
Distribution



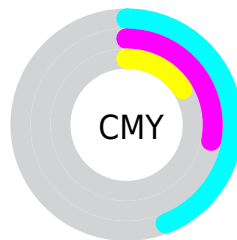
- Red (56%)
- Green (72%)
- Blue (84%)



- Red (56%)
- Yellow (66%)
- Blue (84%)



- Cyan (32%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4453, 44.6004, 69.4278 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 40.4453, 44.6004, 69.4278 by changing the saturation by 10% instead.

■ 40.4453, 44.6004,
69.4278

■ 40.4453, 44.6004,
69.4278

339.0992,
365.1528, 477.2731

■ 28.0717, 31.1428,
50.5863

■ 75.1212, 82.1204,
120.0658

■ 18.5204, 20.7076,
35.5050

■ 98.1541, 106.9517,
152.6994

■ 11.4262, 12.9104,
23.7655

125.4708,
136.3429, 190.7675

■ 6.4237, 7.3669,
14.9492

157.4368,
170.6785, 234.6885

■ 3.1475, 3.6926,
8.6375

194.4172,
210.3429, 284.8810

■ 1.2322, 1.5031,
4.4119

236.7775,

■ 0.1316, 0.2909,

255.7205, 341.7636

1.8539

284.8831,
307.1956, 405.7548

■ 0.0000, 0.0000,
0.4632

■ 0.0000, 0.0000,
0.0000

■ 40.4453, 44.6004,
69.4278

■ 40.4453, 44.6004,
69.4278

■ 35.2228, 39.1662,
68.6549

■ 46.4982, 50.6513,
70.2775

■ 30.7844, 34.3182,
67.9531

■ 53.4160, 57.3371,
71.2034

■ 27.0857, 30.0309,
67.3205

■ 61.2364, 64.6816,
72.2088

■ 24.0754, 26.2740,
66.7540

■ 69.9934, 72.7057,
73.2961

■ 21.6948, 23.0135,
66.2501

■ 79.7192, 81.4291,
74.4673

■ 19.8740, 20.2091,
65.8048

■ 83.9899, 87.5432,
75.4223

■ 18.7747, 18.3329,
65.5006

■ 86.7644, 93.0921,
76.3471

■ 89.0104, 97.5842,
77.0958

Harmonies

Analogous

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



37.6498, 44.6004, 62.9163



40.4453, 44.6004, 69.4278



43.9159, 44.6004, 69.8865

Triad

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



40.4453, 44.6004, 69.4278



49.2986, 44.6004, 44.3740



37.9686, 44.6004, 35.7668

Complementary

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



40.4453, 44.6004, 69.4278



47.6113, 46.4322, 32.8396

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.



40.9025, 44.6004, 32.0876



40.4453, 44.6004, 69.4278



47.5151, 44.6004, 36.5764

Square

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



40.4453, 44.6004, 69.4278



49.1594, 44.6004, 54.4459



44.3988, 44.6004, 32.3620



36.2748, 44.6004, 43.1185

Rectangle

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



40.4453, 44.6004, 69.4278



46.1581, 44.6004, 66.6131



44.3988, 44.6004, 32.3620



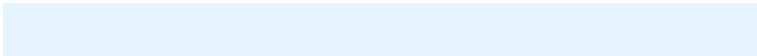
38.8353, 44.6004, 34.1080

Sweetspot

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



40.4467, 44.6022, 69.4288



82.8476, 88.6098, 107.3446



42.9270, 56.5708, 48.6511



17.3900, 18.6411, 22.9315



0.0000, 0.0000, 0.0000



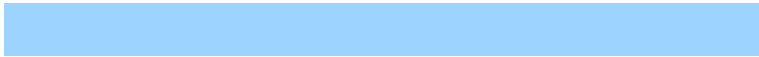
20.3446, 21.4041, 23.3091

Same Dimension

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



40.4467, 44.6022, 69.4288



55.1578, 61.2119, 103.5157



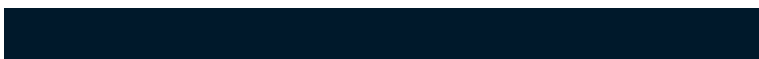
34.1972, 32.1031, 67.3457



12.3192, 13.1619, 15.8287



11.5716, 11.4050, 40.0447



0.7796, 0.8512, 2.4425

Inverse Universe

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



45.9622, 37.5127, 49.6199



64.9069, 49.6277, 68.2891



55.1290, 61.4676, 35.3455



12.7143, 12.5372, 14.4359



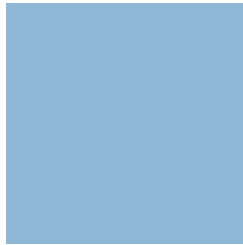
18.8997, 9.4962, 12.0417



1.1812, 0.5893, 0.9433

Previews

White Background



This preview shows how the XYZ color 40.4453, 44.6004, 69.4278 looks on a white background.

Color Contrast Check

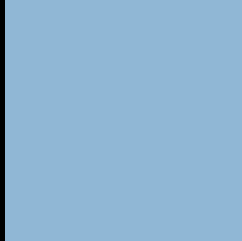
Large Text (above 18pt) WCAG AA × Fail

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 40.4453, 44.6004, 69.4278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

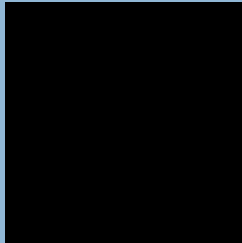
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

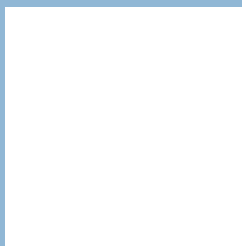
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4453, 44.6004, 69.4278

Background



This preview shows how black text looks on a background with the XYZ color 40.4453, 44.6004, 69.4278.



This preview shows how white text looks on a background with the XYZ color 40.4453, 44.6004,

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

40.4453, 44.6004, 69.4278

Protanopia

43.7051, 44.2627, 65.9146

Deuteranopia

45.3063, 44.4085, 70.4738



Tritanopia

38.7588, 44.5308, 61.1961

Trichromacy



Original Color

40.4453, 44.6004, 69.4278

Protanomaly

42.4509, 44.4704, 67.3190

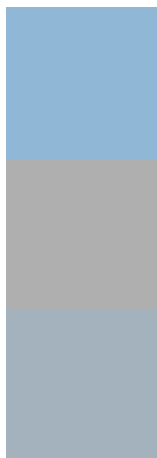
Deuteranomaly

43.1696, 44.1918, 69.8729

Tritanomaly

39.3153, 44.4395, 64.2632

Monochromacy



Original Color

40.4453, 44.6004, 69.4278

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.4155, 43.4074, 54.3925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4453, 44.6004, 69.4278 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(144, 183, 213)` looks like.

```
.text, #text, p{  
    color:rgb(144, 183, 213)  
}
```

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(144, 183, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 183, 213) }
```

Border

The CSS property to change the border of an element to XYZ 40.4453, 44.6004, 69.4278 is called "border". The border property can be set on classes, ids or directly on the HTML element.

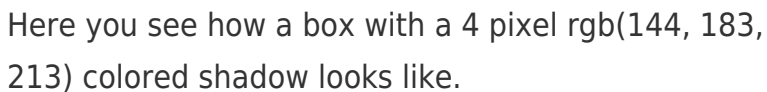
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(144, 183, 213) }
```


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

```
.border{ border-color:rgb(144, 183, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(144, 183, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 183, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 183, 213); box-shadow:4px 4px 4px 4px rgb(144, 183, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4453, 44.6004, 69.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 183, 213) }
```

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

```
.background{ background-color: rgb(144,  
183, 213) }
```

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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