

Converting Colors

XYZ(40.9812, 45.6457, 69.6023)

Have a look what the booklet for
XYZ(40.9812, 45.6457, 69.6023)
contains.

XYZ(40.8608, 45.4313, 69.5663)	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(40.8608, 45.4313,
69.5663)**

Conversions

Conversions Part 1

Format	Color
Hex	90B9D5
RGB	144, 185, 213
RGB Percent	56%, 73%, 84%
CMY	0.4353, 0.2745, 0.1647
CMYK	0.32, 0.13, 0.00, 0.16
HSL	204°, 45%, 70%
HSV	204°, 32%, 84%
XYZ	40.8608, 45.4313, 69.5663
YIQ	175.9330, -33.4240, 0.0160

Conversions

Conversions Part 2

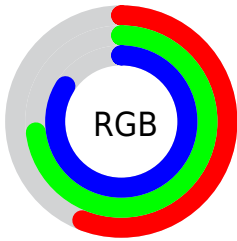
Format	Color
RYB	144, 170, 213
Decimal	9484757
CIELab	73.17, -7.01, -18.51
CIElCh	73, 19.791, 249.249
Yxy	45.4313, 0.2622, 0.2915
Android (android.graphics.Color)	4287674837 (0xFF90B9D5)
YUV	175.9330, 18.2740, -28.0052
Hunter-Lab	67.4027, -9.7448, -14.0112

Details

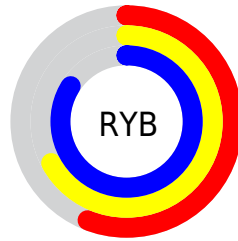
The XYZ color **40.8608, 45.4313, 69.5663** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.2279, 45.6654, 32.7119**, and the grayscale version is **41.1533, 43.2965, 47.1499**.

A 20% lighter version of the original color is **73.0585, 82.2727, 106.6374**, and **18.7372, 21.1953, 35.4513** is the 20% darker color. If you saturate the color by 10%, you get **35.7324, 40.1854, 68.8248**, and if you desaturate by 10%, it is **46.8038, 51.2625, 70.3794**.

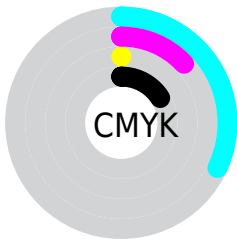
Distribution



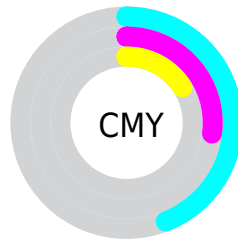
- Red (56%)
- Green (73%)
- Blue (84%)



- Red (56%)
- Yellow (67%)
- Blue (84%)



- Cyan (32%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8608, 45.4313, 69.5663 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 40.8608, 45.4313, 69.5663 by changing the saturation by 10% instead.

■ 40.8608, 45.4313,
69.5663

■ 40.8608, 45.4313,
69.5663

340.8110,
368.5175, 477.7737

■ 28.3975, 31.7973,
50.6984

■ 75.7486, 83.3672,
120.2654

■ 18.7675, 21.2067,
35.5936

■ 98.9038, 108.4380,
152.9336

■ 11.6054, 13.2752,
23.8333

126.3537,
138.0897, 191.0391

■ 6.5459, 7.6183,
14.9989

158.4637,
172.7069, 235.0004

■ 3.2235, 3.8517,
8.6720

195.5990,
212.6738, 285.2359

■ 1.2731, 1.5910,
4.4340

238.1251,

■ 0.1629, 0.3515,

258.3750, 342.1643

1.8663

286.4073,
310.1948, 406.2040

■ 0.0000, 0.0000,
0.4712

■ 0.0000, 0.0000,
0.0000

■ 40.8608, 45.4313,
69.5663

■ 40.8608, 45.4313,
69.5663

■ 35.7324, 40.1854,
68.8248

■ 46.8038, 51.2625,
70.3794

■ 31.3729, 35.4952,
68.1493

■ 53.5955, 57.6961,
71.2632

■ 27.7382, 31.3359,
67.5380

■ 61.2732, 64.7551,
72.2211

■ 24.7776, 27.6785,
66.9881

■ 69.8705, 72.4596,
73.2551

■ 22.4330, 24.4898,
66.4962

■ 79.4191, 80.8286,
74.3672

■ 20.6349, 21.7309,
66.0585

■ 83.4946, 86.5526,
75.2572

■ 19.5444, 19.8722,
65.7572

■ 86.0558, 91.6749,
76.1110

■ 88.7392, 97.0417,
77.0054

■ 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.



38.2192, 45.4313, 62.5638



40.8608, 45.4313, 69.5663



44.2621, 45.4313, 70.8173

Triad

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



40.8608, 45.4313, 69.5663



50.1045, 45.4313, 46.4597



39.0970, 45.4313, 36.0999

Complementary

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



40.8608, 45.4313, 69.5663



47.2279, 45.6654, 32.7119

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.



42.1179, 45.4313, 32.9071



40.8608, 45.4313, 69.5663



48.5549, 45.4313, 38.3387

Square

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



40.8608, 45.4313, 69.5663



49.7234, 45.4313, 56.5481



45.5876, 45.4313, 33.6679



37.2394, 45.4313, 43.0031

Rectangle

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



40.8608, 45.4313, 69.5663



46.5228, 45.4313, 68.0753



45.5876, 45.4313, 33.6679



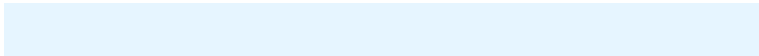
40.0034, 45.4313, 34.6021

Sweetspot

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



40.8622, 45.4331, 69.5674



83.0703, 89.0553, 107.4189



42.7049, 56.4820, 47.4811



17.4439, 18.7490, 22.9495



0.0000, 0.0000, 0.0000



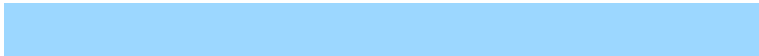
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8622, 45.4331, 69.5674



55.8837, 62.6637, 103.7577



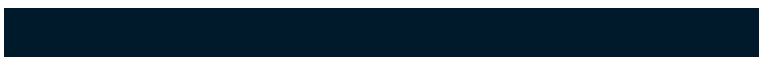
34.5635, 32.8357, 67.4678



12.3499, 13.2233, 15.8390



12.0410, 12.3439, 40.2011



0.8066, 0.9052, 2.4515

Inverse Universe

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



46.1720, 37.5967, 50.7242



65.2733, 49.7743, 70.2186



54.5709, 60.3514, 35.1596



12.7298, 12.5434, 14.5175



19.1366, 9.5910, 13.2894



1.1948, 0.5947, 1.0151

Previews

White Background



This preview shows how the XYZ color 40.8608, 45.4313, 69.5663 looks on a white background.

Color Contrast Check

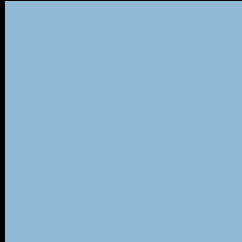
Large Text (above 18pt) WCAG AA × Fail

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 40.8608, 45.4313, 69.5663 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

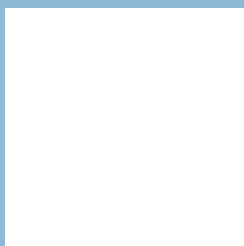
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8608, 45.4313, 69.5663

Background



This preview shows how black text looks on a background with the XYZ color 40.8608, 45.4313, 69.5663.



This preview shows how white text looks on a background with the XYZ color 40.8608, 45.4313,

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

40.8608, 45.4313, 69.5663

Protanopia

44.7611, 45.3935, 66.0772

Deuteranopia

46.1861, 45.1499, 70.5705



Tritanopia

39.4155, 45.4676, 62.5758

Trichromacy



Original Color

40.8608, 45.4313, 69.5663

Protanomaly

43.2610, 45.4874, 67.4726

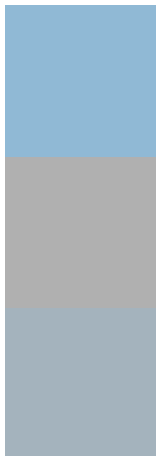
Deuteranomaly

43.9836, 45.2022, 70.0250

Tritanomaly

39.8548, 45.3248, 65.0405

Monochromacy



Original Color

40.8608, 45.4313, 69.5663

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.6152, 43.8068, 54.4590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8608, 45.4313, 69.5663 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, 185, 213)` looks like.

```
.text, #text, p{  
    color:rgb(144, 185, 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, 185, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 185, 213) }
```

Border

The CSS property to change the border of an element to XYZ 40.8608, 45.4313, 69.5663 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, 185, 213) }
```


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

```
.border{ border-color:rgb(144, 185, 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, 185, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 185, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 185, 213);  
box-shadow:4px 4px 4px 4px rgb(144, 185,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8608, 45.4313, 69.5663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 185, 213) }
```

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

```
.background{ background-color: rgb(144,  
185, 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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