

Converting Colors

XYZ(40.8406, 45.7053, 74.5609)

Have a look what the booklet for
XYZ(40.8406, 45.7053, 74.5609)
contains.

XYZ(40.7937, 45.6035, 74.3624)	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(40.7937, 45.6035,
74.3624)**

Conversions

Conversions Part 1

Format	Color
Hex	89BADC
RGB	137, 186, 220
RGB Percent	54%, 73%, 86%
CMY	0.4627, 0.2706, 0.1373
CMYK	0.38, 0.15, 0.00, 0.14
HSL	205°, 54%, 70%
HSV	205°, 38%, 86%
XYZ	40.7937, 45.6035, 74.3624
YIQ	175.2250, -40.1180, 0.1860

Conversions

Conversions Part 2

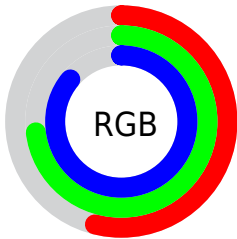
Format	Color
RYB	137, 168, 220
Decimal	9026268
CIELab	73.29, -7.70, -22.18
CIELCh	73, 23.483, 250.850
Yxy	45.6035, 0.2538, 0.2837
Android (android.graphics.Color)	4287216348 (0xFF89BADC)
YUV	175.2250, 22.0741, -33.5233
Hunter-Lab	67.5304, -10.3500, -18.0171

Details

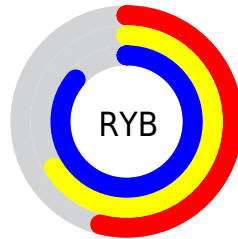
The XYZ color **40.7937, 45.6035, 74.3624** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.5943, 46.1484, 30.0146**, and the grayscale version is **40.7694, 42.8926, 46.7100**.

A 20% lighter version of the original color is **71.7944, 82.0617, 106.6633**, and **18.7463, 21.3307, 38.7265** is the 20% darker color. If you saturate the color by 10%, you get **35.7096, 40.2534, 73.5985**, and if you desaturate by 10%, it is **46.7357, 51.5757, 75.2028**.

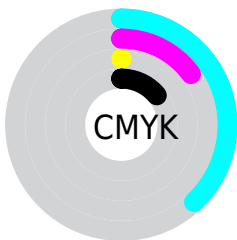
Distribution



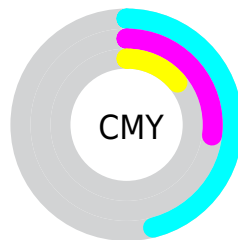
- Red (54%)
- Green (73%)
- Blue (86%)



- Red (54%)
- Yellow (66%)
- Blue (86%)



- Cyan (38%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (46%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7937, 45.6035, 74.3624 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 40.7937, 45.6035, 74.3624 by changing the saturation by 10% instead.

■ 40.7937, 45.6035,
74.3624

■ 40.7937, 45.6035,
74.3624

340.5350,
369.2123, 494.9200

■ 28.3449, 31.9330,
54.5921

■ 75.6473, 83.6253,
127.1482

■ 18.7276, 21.3104,
38.6789

■ 98.7828, 108.7454,
161.0008

■ 11.5764, 13.3511,
26.2041

■ 126.2113,
138.4509, 200.3845

■ 6.5261, 7.6707,
16.7492

158.2980,
173.1261, 245.7180

■ 3.2112, 3.8850,
9.8958

195.4084,
213.1555, 297.4198

■ 1.2664, 1.6094,
5.2252

237.9078,

■ 0.1579, 0.3639,

258.9233, 355.9083

2.3190

286.1615,
310.8142, 421.6022

■ 0.0000, 0.0000,
0.7418

■ 0.0000, 0.0000,
0.0000

■ 40.7937, 45.6035,
74.3624

■ 40.7937, 45.6035,
74.3624

■ 35.7096, 40.2534,
73.5985

■ 46.7357, 51.5757,
75.2028

■ 31.4319, 35.4925,
72.9050

■ 53.5746, 58.1901,
76.1190

■ 27.9098, 31.2924,
72.2799

■ 61.3521, 65.4724,
77.1147

■ 25.0846, 27.6192,
71.7198

■ 70.1057, 73.4449,
78.1922

■ 22.8872, 24.4338,
71.2208

■ 79.8710, 82.1289,
79.3537

■ 21.2232, 21.6839,
70.7777

■ 85.3403, 88.7911,
80.3514

■ 20.8855, 21.1016,
70.6831

■ 88.0606, 94.2317,
81.2582

■ 89.9184, 97.9474,
81.8774

Harmonies

Analogous

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



37.6157, 45.6035, 66.0498



40.7937, 45.6035, 74.3624



44.8555, 45.6035, 75.4822

Triad

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



40.7937, 45.6035, 74.3624



51.6136, 45.6035, 45.4987



38.3594, 45.6035, 34.3729

Complementary

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



40.7937, 45.6035, 74.3624



48.5943, 46.1484, 30.0146

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.



41.8683, 45.6035, 30.5137



40.7937, 45.6035, 74.3624



49.6278, 45.6035, 36.2251

Square

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



40.7937, 45.6035, 74.3624



51.2804, 45.6035, 57.4880



46.0000, 45.6035, 31.1332



36.2732, 45.6035, 42.5670

Rectangle

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



40.7937, 45.6035, 74.3624



47.5421, 45.6035, 71.8292



46.0000, 45.6035, 31.1332



39.4020, 45.6035, 32.5894

Sweetspot

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



40.7952, 45.6053, 74.3635



81.9162, 87.9497, 107.2663



43.1855, 59.4156, 47.3230



17.2118, 18.5245, 22.9184



0.0000, 0.0000, 0.0000



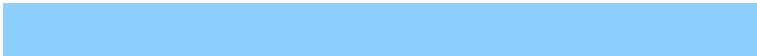
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7952, 45.6053, 74.3635



51.4622, 57.9268, 103.0764



33.4074, 30.8297, 71.9009



12.9744, 13.8886, 16.6491



12.3695, 12.6085, 41.5201



0.8854, 0.9848, 2.7179

Inverse Universe

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



47.3250, 36.6535, 51.0368



62.0393, 44.6432, 65.0189



57.5000, 63.9598, 32.9832



13.3770, 13.1799, 15.2463



19.7389, 9.8966, 13.5370



1.3212, 0.6581, 1.1003

Previews

White Background



This preview shows how the XYZ color 40.7937, 45.6035, 74.3624 looks on a white background.

Color Contrast Check

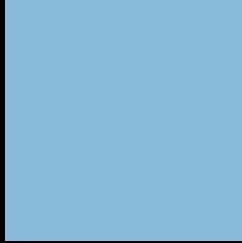
Large Text (above 18pt) WCAG AA × Fail

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 40.7937, 45.6035, 74.3624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

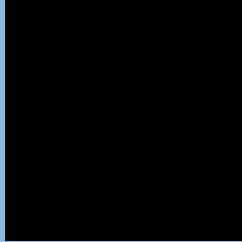
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7937, 45.6035, 74.3624

Background



This preview shows how black text looks on a background with the XYZ color 40.7937, 45.6035, 74.3624.



This preview shows how white text looks on a background with the XYZ color 40.7937, 45.6035,

74.3624.

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

40.7937, 45.6035, 74.3624

Protanopia

45.0713, 45.4665, 70.0187

Deuteranopia

46.3893, 45.4386, 75.4328



Tritanopia

38.7695, 45.7414, 63.9123

Trichromacy



Original Color

40.7937, 45.6035, 74.3624

Protanomaly

43.2166, 45.3765, 71.4465

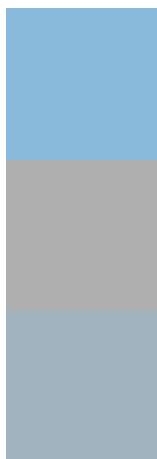
Deuteranomaly

44.0703, 45.4400, 74.8547

Tritanomaly

39.4476, 45.6879, 67.7123

Monochromacy



Original Color

40.7937, 45.6035, 74.3624

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.2220, 43.5789, 55.5818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7937, 45.6035, 74.3624 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(137, 186, 220)` looks like.

```
.text, #text, p{  
    color:rgb(137, 186, 220)  
}
```

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(137, 186, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 186, 220) }
```

Border

The CSS property to change the border of an element to XYZ 40.7937, 45.6035, 74.3624 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(137, 186, 220) }
```


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

```
.border{ border-color:rgb(137, 186, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 186, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 186, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 186, 220);  
box-shadow:4px 4px 4px 4px rgb(137, 186,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7937, 45.6035, 74.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 186, 220) }
```

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

```
.background{ background-color: rgb(137,  
186, 220) }
```

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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