

Converting Colors

XYZ(40.3372, 45.6666, 75.0951)

Have a look what the booklet for
XYZ(40.3372, 45.6666, 75.0951)
contains.

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Color

**XYZ(40.3372, 45.6666,
75.0952)**

Conversions

Conversions Part 1

Format	Color
Hex	84BBDD
RGB	132, 187, 221
RGB Percent	52%, 73%, 87%
CMY	0.4823, 0.2667, 0.1333
CMYK	0.40, 0.15, 0.00, 0.13
HSL	203°, 57%, 69%
HSV	203°, 40%, 87%
XYZ	40.3372, 45.6666, 75.0952
YIQ	174.4310, -43.6940, -1.0860

Conversions

Conversions Part 2

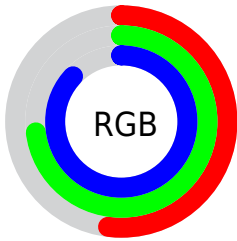
Format	Color
RYB	132, 166, 221
Decimal	8698845
CIELab	73.33, -9.29, -22.69
CIElCh	73, 24.519, 247.727
Yxy	45.6666, 0.2504, 0.2835
Android (android.graphics.Color)	4286888925 (0xFF84BBDD)
YUV	174.4310, 22.9585, -37.2120
Hunter-Lab	67.5771, -11.7120, -18.5822

Details

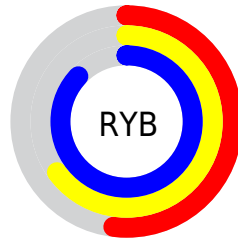
The XYZ color **40.3372, 45.6666, 75.0952** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.6209, 44.3117, 27.8744**, and the grayscale version is **40.3566, 42.4583, 46.2371**.

A 20% lighter version of the original color is **70.8396, 82.0126, 106.7041**, and **18.4686, 21.3811, 39.2300** is the 20% darker color. If you saturate the color by 10%, you get **35.5019, 40.5937, 74.3717**, and if you desaturate by 10%, it is **46.0127, 51.3310, 75.8902**.

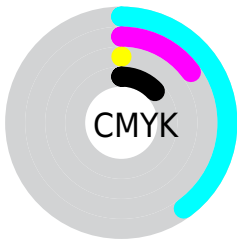
Distribution



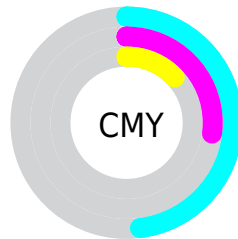
- Red (52%)
- Green (73%)
- Blue (87%)



- Red (52%)
- Yellow (65%)
- Blue (87%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (13%)



- Cyan (48%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3372, 45.6666, 75.0952 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 40.3372, 45.6666, 75.0952 by changing the saturation by 10% instead.

■ 40.3372, 45.6666,
75.0952

■ 40.3372, 45.6666,
75.0952

338.6529,
369.4666, 497.5089

■ 27.9869, 31.9828,
55.1887

■ 74.9578, 83.7198,
128.1954

■ 18.4562, 21.3484,
39.1532

■ 97.9588, 108.8580,
162.2263

■ 11.3797, 13.3789,
26.5702

■ 125.2408,
138.5832, 201.8023

■ 6.3920, 7.6900,
17.0211

157.1692,
173.2796, 247.3420

■ 3.1278, 3.8972,
10.0874

194.1092,
213.3318, 299.2640

■ 1.2217, 1.6162,
5.3506

236.4262,

■ 0.1234, 0.3685,

259.1241, 357.9867

2.3921

284.4857,
311.0409, 423.9289

■ 0.0000, 0.0000,
0.7821

■ 0.0000, 0.0000,
0.0000

■ 40.3372, 45.6666,
75.0952

■ 40.3372, 45.6666,
75.0952

■ 35.5019, 40.5937,
74.3717

■ 46.0127, 51.3310,
75.8902

■ 31.4541, 36.0794,
73.7137

■ 52.5684, 57.6071,
76.7561

■ 28.1414, 32.0950,
73.1192

■ 60.0466, 64.5202,
77.6963

■ 25.5025, 28.6060,
72.5849

■ 68.4858, 72.0927,
78.7132

■ 23.4647, 25.5723,
72.1067

■ 77.9218, 80.3454,
79.8088

■ 21.9368, 22.9915,
71.6891

■ 84.7665, 87.4309,
80.8156

■ 87.2778, 92.4535,
81.6527

■ 89.9059, 97.7096,
82.5288

■ 90.0513, 98.0005,
82.5773

Harmonies

Analogous

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



37.1712, 45.6666, 65.7158



40.3372, 45.6666, 75.0952



44.5292, 45.6666, 77.1623

Triad

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



40.3372, 45.6666, 75.0952



52.1507, 45.6666, 46.5980



38.5260, 45.6666, 33.2063

Complementary

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



40.3372, 45.6666, 75.0952



47.6209, 44.3117, 27.8744

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.



42.2994, 45.6666, 29.7084



40.3372, 45.6666, 75.0952



50.2989, 45.6666, 36.5616

Square

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



40.3372, 45.6666, 75.0952



51.5390, 45.6666, 59.2778



46.6240, 45.6666, 30.8260



36.1748, 45.6666, 41.2547

Rectangle

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



40.3372, 45.6666, 75.0952



47.3781, 45.6666, 73.8450



46.6240, 45.6666, 30.8260



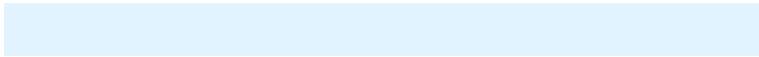
39.6600, 45.6666, 31.5256

Sweetspot

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



40.3387, 45.6684, 75.0963



81.0582, 87.4184, 107.2090



42.1316, 59.3228, 44.6539



17.0491, 18.4353, 22.9097



0.0000, 0.0000, 0.0000



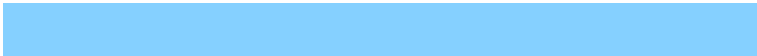
20.3446, 21.4041, 23.3091

Same Dimension

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



40.3387, 45.6684, 75.0963



50.2746, 57.4037, 103.0380



32.5213, 30.0337, 72.4905



13.0054, 13.9505, 16.6594



12.8559, 13.5812, 41.6823



0.9151, 1.0444, 2.7278

Inverse Universe

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



47.0410, 35.4640, 51.3814



60.9878, 42.4917, 64.8177



56.8179, 62.7056, 30.9400



13.3926, 13.1861, 15.3285



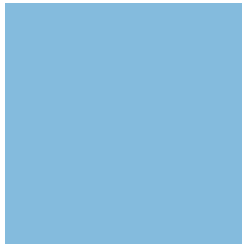
19.9844, 9.9948, 14.8297



1.3362, 0.6641, 1.1794

Previews

White Background



This preview shows how the XYZ color 40.3372, 45.6666, 75.0952 looks on a white background.

Color Contrast Check

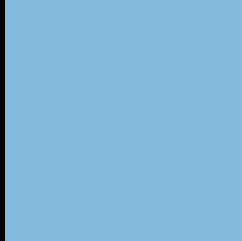
Large Text (above 18pt) WCAG AA × Fail

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 40.3372, 45.6666, 75.0952 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 40.3372, 45.6666, 75.0952

Background



This preview shows how black text looks on a background with the XYZ color 40.3372, 45.6666, 75.0952.



This preview shows how white text looks on a background with the XYZ color 40.3372, 45.6666,

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

40.3372, 45.6666, 75.0952

Protanopia

45.1994, 45.5177, 70.6935

Deuteranopia

46.3002, 45.3771, 76.1304



Tritanopia

38.3350, 45.8239, 64.5820

Trichromacy



Original Color

40.3372, 45.6666, 75.0952

Protanomaly

42.9529, 45.2256, 72.1112

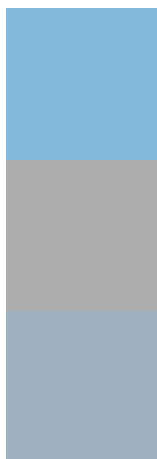
Deuteranomaly

43.8041, 45.2874, 75.5399

Tritanomaly

39.0087, 45.7655, 68.4057

Monochromacy



Original Color

40.3372, 45.6666, 75.0952

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.8221, 43.3727, 55.5631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3372, 45.6666, 75.0952 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(132, 187, 221)` looks like.

```
.text, #text, p{  
    color:rgb(132, 187, 221)  
}
```

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(132, 187, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 187, 221) }
```

Border

The CSS property to change the border of an element to XYZ 40.3372, 45.6666, 75.0952 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(132, 187, 221) }
```


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

```
.border{ border-color:rgb(132, 187, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 187, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 187, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 187, 221);  
box-shadow:4px 4px 4px 4px rgb(132, 187,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3372, 45.6666, 75.0952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 187, 221) }
```

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

```
.background{ background-color: rgb(132,  
187, 221) }
```

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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