

Converting Colors

XYZ(40.6903, 45.3133, 72.6940)

Have a look what the booklet for
XYZ(40.6903, 45.3133, 72.6940)
contains.

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Color

**XYZ(40.6513, 45.2488,
72.9210)**

Conversions

Conversions Part 1

Format	Color
Hex	8BB9DA
RGB	139, 185, 218
RGB Percent	55%, 73%, 85%
CMY	0.4549, 0.2745, 0.1451
CMYK	0.36, 0.15, 0.00, 0.15
HSL	205°, 52%, 70%
HSV	205°, 36%, 85%
XYZ	40.6513, 45.2488, 72.9210
YIQ	175.0080, -38.0090, 0.5110

Conversions

Conversions Part 2

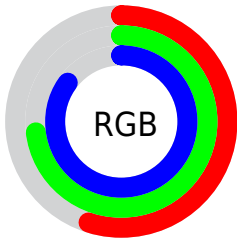
Format	Color
RYB	139, 168, 218
Decimal	9157082
CIELab	73.06, -7.14, -21.44
CIElCh	73, 22.597, 251.574
Yxy	45.2488, 0.2560, 0.2849
Android (android.graphics.Color)	4287347162 (0xFF8BB9DA)
YUV	175.0080, 21.1951, -31.5790
Hunter-Lab	67.2672, -9.8456, -17.1862

Details

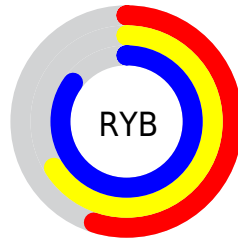
The XYZ color **40.6513, 45.2488, 72.9210** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.3271, 46.2754, 30.8124**, and the grayscale version is **40.6607, 42.7783, 46.5855**.

A 20% lighter version of the original color is **72.0110, 81.7327, 106.5883**, and **18.6084, 21.0782, 37.7381** is the 20% darker color. If you saturate the color by 10%, you get **35.5237, 39.8684, 72.1535**, and if you desaturate by 10%, it is **46.6296, 51.2509, 73.7652**.

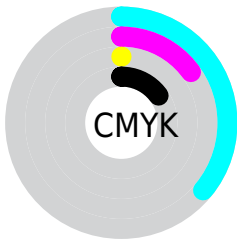
Distribution



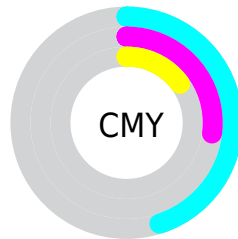
- Red (55%)
- Green (73%)
- Blue (85%)



- Red (55%)
- Yellow (66%)
- Blue (85%)



- Cyan (36%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)



- Cyan (45%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6513, 45.2488, 72.9210 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 40.6513, 45.2488, 72.9210 by changing the saturation by 10% instead.

■ 40.6513, 45.2488,
72.9210

■ 40.6513, 45.2488,
72.9210

339.9486,
367.7803, 489.8044

■ 28.2332, 31.6534,
53.4199

■ 75.4323, 83.0936,
125.0849

■ 18.6429, 21.0969,
37.7481

■ 98.5260, 108.1119,
158.5849

■ 11.5150, 13.1949,
25.4869

■ 125.9088,
137.7066, 197.5882

■ 6.4842, 7.5629,
16.2179

157.9462,
172.2621, 242.5134

■ 3.1851, 3.8165,
9.5224

195.0035,
212.1628, 293.7792

■ 1.2524, 1.5715,
4.9821

237.4462,

■ 0.1471, 0.3383,

257.7932, 351.8038

2.1782

285.6394,
309.5375, 417.0061

■ 0.0000, 0.0000,
0.6617

■ 0.0000, 0.0000,
0.0000

■ 40.6513, 45.2488,
72.9210

■ 40.6513, 45.2488,
72.9210

■ 35.5237, 39.8684,
72.1535

■ 46.6296, 51.2509,
73.7652

■ 31.1968, 35.0775,
71.4568

■ 53.4962, 57.8945,
74.6856

■ 27.6218, 30.8485,
70.8290

■ 61.2917, 65.2044,
75.6857

■ 24.7420, 27.1487,
70.2666

■ 70.0526, 73.2027,
76.7678

■ 22.4918, 23.9405,
69.7660

■ 79.8135, 81.9103,
77.9341

■ 20.7892, 21.1779,
69.3225

■ 84.9492, 88.4303,
78.9219

■ 20.2367, 20.2253,
69.1677

■ 87.6922, 93.9164,
79.8362

■ 89.6550, 97.8420,
80.4905

Harmonies

Analogous

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



37.5721, 45.2488, 65.1584



40.6513, 45.2488, 72.9210



44.5496, 45.2488, 73.7984

Triad

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



40.6513, 45.2488, 72.9210



50.8859, 45.2488, 45.0316



38.1618, 45.2488, 34.7212

Complementary

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



40.6513, 45.2488, 72.9210



48.3271, 46.2754, 30.8124

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.



41.5017, 45.2488, 30.8830



40.6513, 45.2488, 72.9210



48.9436, 45.2488, 36.1975

Square

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



40.6513, 45.2488, 72.9210



50.6235, 45.2488, 56.4685



45.4533, 45.2488, 31.3784



36.1967, 45.2488, 42.7076

Rectangle

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



40.6513, 45.2488, 72.9210



47.1084, 45.2488, 70.2213



45.4533, 45.2488, 31.3784



39.1521, 45.2488, 32.9625

Sweetspot

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



40.6527, 45.2506, 72.9221



81.8482, 87.8136, 107.2436



43.1584, 58.6081, 48.0269



17.1956, 18.4921, 22.9130



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.



40.6527, 45.2506, 72.9221



52.6380, 58.9699, 103.2158



33.5184, 30.9819, 70.5439



12.9654, 13.8705, 16.6461



12.2323, 12.3341, 41.4744



0.8769, 0.9679, 2.7150

Inverse Universe

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



46.9042, 36.8748, 50.5461



62.9522, 46.2312, 66.0560



56.9725, 63.5663, 33.6942



13.3724, 13.1781, 15.2222



19.6696, 9.8689, 13.1722



1.3169, 0.6564, 1.0777

Previews

White Background



This preview shows how the XYZ color 40.6513, 45.2488, 72.9210 looks on a white background.

Color Contrast Check

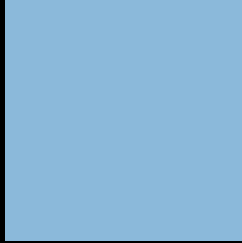
Large Text (above 18pt) WCAG AA × Fail

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 40.6513, 45.2488, 72.9210 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

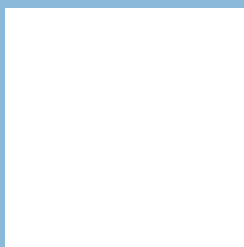
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6513, 45.2488, 72.9210

Background



This preview shows how black text looks on a background with the XYZ color 40.6513, 45.2488, 72.9210.



This preview shows how white text looks on a background with the XYZ color 40.6513, 45.2488,

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

40.6513, 45.2488, 72.9210

Protanopia

44.5270, 44.9063, 69.2717

Deuteranopia

45.9274, 44.9412, 73.9640



Tritanopia

38.7544, 45.4291, 63.2260

Trichromacy



Original Color

40.6513, 45.2488, 72.9210

Protanomaly

42.8851, 44.9197, 70.7001

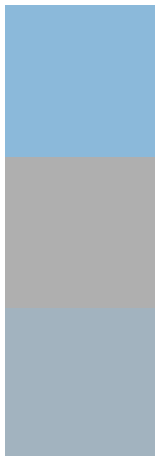
Deuteranomaly

43.8066, 45.0361, 73.4018

Tritanomaly

39.3088, 45.3290, 66.3521

Monochromacy



Original Color

40.6513, 45.2488, 72.9210

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.4244, 43.6832, 55.5913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6513, 45.2488, 72.9210 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(139, 185, 218)` looks like.

```
.text, #text, p{  
    color:rgb(139, 185, 218)  
}
```

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(139, 185, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 185, 218) }
```

Border

The CSS property to change the border of an element to XYZ 40.6513, 45.2488, 72.9210 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(139, 185, 218) }
```


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

```
.border{ border-color:rgb(139, 185, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 185, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 185, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 185, 218);  
box-shadow:4px 4px 4px 4px rgb(139, 185,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6513, 45.2488, 72.9210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 185, 218) }
```

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

```
.background{ background-color: rgb(139,  
185, 218) }
```

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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