

Converting Colors

XYZ(41.0675, 44.6680, 72.0472)

Have a look what the booklet for
XYZ(41.0675, 44.6680, 72.0472)
contains.

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Color

**XYZ(40.9294, 44.4854,
72.0750)**

Conversions

Conversions Part 1

Format	Color
Hex	91B6D9
RGB	145, 182, 217
RGB Percent	57%, 71%, 85%
CMY	0.4314, 0.2863, 0.1490
CMYK	0.33, 0.16, 0.00, 0.15
HSL	209°, 49%, 71%
HSV	209°, 33%, 85%
XYZ	40.9294, 44.4854, 72.0750
YIQ	174.9270, -33.2870, 3.0410

Conversions

Conversions Part 2

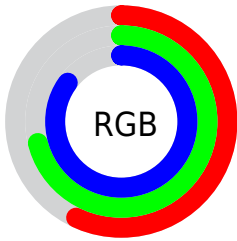
Format	Color
RYB	145, 169, 217
Decimal	9549529
CIELab	72.55, -4.11, -21.63
CIELCh	73, 22.015, 259.229
Yxy	44.4854, 0.2599, 0.2825
Android (android.graphics.Color)	4287739609 (0xFF91B6D9)
YUV	174.9270, 20.7420, -26.2460
Hunter-Lab	66.6974, -7.1824, -17.3822

Details

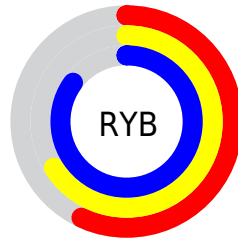
The XYZ color **40.9294, 44.4854, 72.0750** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.0482, 49.4393, 33.6943**, and the grayscale version is **40.6194, 42.7348, 46.5382**.

A 20% lighter version of the original color is **72.4440, 80.6484, 106.3562**, and **18.7855, 20.5845, 37.1655** is the 20% darker color. If you saturate the color by 10%, you get **35.3854, 38.5412, 71.2206**, and if you desaturate by 10%, it is **47.3693, 51.1350, 73.0199**.

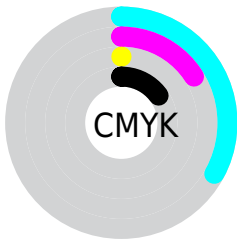
Distribution



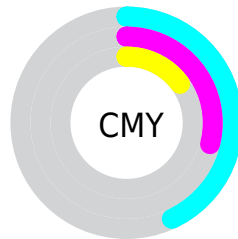
- Red (57%)
- Green (71%)
- Blue (85%)



- Red (57%)
- Yellow (66%)
- Blue (85%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (43%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9294, 44.4854, 72.0750 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 40.9294, 44.4854, 72.0750 by changing the saturation by 10% instead.

■ 40.9294, 44.4854,
72.0750

■ 40.9294, 44.4854,
72.0750

341.0931,
364.6854, 486.7872

■ 28.4514, 31.0523,
52.7327

■ 75.8521, 81.9477,
123.8719

■ 18.8084, 20.6387,
37.2032

■ 99.0274, 106.7456,
157.1635

■ 11.6351, 12.8601,
25.0678

126.4993,
136.1006, 195.9421

■ 6.5661, 7.3323,
15.9081

158.6329,
170.3971, 240.6261

■ 3.2362, 3.6708,
9.3055

195.7938,
210.0194, 291.6341

■ 1.2799, 1.4912,
4.8415

238.3472,

■ 0.1681, 0.2825,

255.3519, 349.3845

2.0974

286.6585,
306.7792, 414.2961

■ 0.0000, 0.0000,
0.6142

■ 0.0000, 0.0000,
0.0000

■ 40.9294, 44.4854,
72.0750

■ 40.9294, 44.4854,
72.0750

■ 35.3854, 38.5412,
71.2206

■ 47.3693, 51.1350,
73.0199

■ 30.6877, 33.2686,
70.4505

■ 54.7427, 58.5116,
74.0551

■ 26.7883, 28.6384,
69.7623

■ 63.0900, 66.6420,
75.1844

■ 23.6316, 24.6162,
69.1523

■ 72.4481, 75.5498,
76.4106

■ 21.1546, 21.1636,
68.6165

■ 82.8516, 85.2578,
77.7361

■ 19.2811, 18.2353,
68.1500

■ 86.5057, 91.7522,
78.7970

■ 18.2657, 16.4921,
67.8670

■ 89.5245, 97.7898,
79.8033

Harmonies

Analogous

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



37.6819, 44.4854, 66.1017



40.9294, 44.4854, 72.0750



44.7377, 44.4854, 71.0375

Triad

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



40.9294, 44.4854, 72.0750



49.5733, 44.4854, 41.8587



36.9797, 44.4854, 36.0017

Complementary

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



40.9294, 44.4854, 72.0750



50.0482, 49.4393, 33.6943

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.



39.9179, 44.4854, 31.2240



40.9294, 44.4854, 72.0750



47.2421, 44.4854, 34.2383

Square

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



40.9294, 44.4854, 72.0750



49.8845, 44.4854, 52.4594



43.6642, 44.4854, 30.6309



35.4941, 44.4854, 44.6257

Rectangle

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



40.9294, 44.4854, 72.0750



47.0799, 44.4854, 66.5487



43.6642, 44.4854, 30.6309



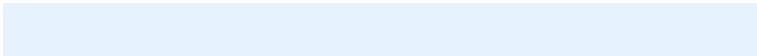
37.8218, 44.4854, 33.9514

Sweetspot

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



40.9308, 44.4871, 72.0760



82.4553, 87.8252, 107.2138



44.7089, 58.9336, 52.0934



17.2950, 18.4513, 22.8999



0.0000, 0.0000, 0.0000



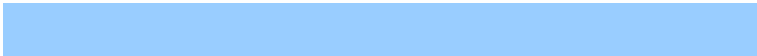
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9308, 44.4871, 72.0760



53.1184, 57.8554, 102.9753



34.5124, 31.6503, 69.9366



12.8893, 13.7183, 16.6207



11.1632, 10.1959, 41.1180



0.8094, 0.8329, 2.6925

Inverse Universe

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



47.1854, 38.3812, 49.1792



63.7013, 48.4705, 64.0211



58.2317, 65.8063, 36.4221



13.3340, 13.1627, 15.0200



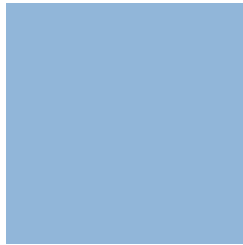
19.1300, 9.6530, 10.3307



1.2828, 0.6428, 0.8983

Previews

White Background



This preview shows how the XYZ color 40.9294, 44.4854, 72.0750 looks on a white background.

Color Contrast Check

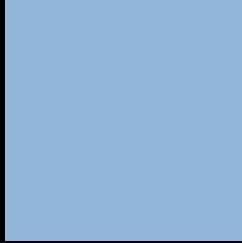
Large Text (above 18pt) WCAG AA × Fail

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 40.9294, 44.4854, 72.0750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

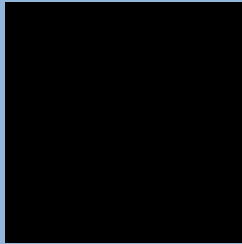
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

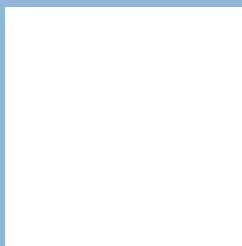
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9294, 44.4854, 72.0750

Background



This preview shows how black text looks on a background with the XYZ color 40.9294, 44.4854, 72.0750.



This preview shows how white text looks on a background with the XYZ color 40.9294, 44.4854,

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

40.9294, 44.4854, 72.0750

Protanopia

44.1131, 44.4008, 69.1960

Deuteranopia

45.3778, 44.3852, 73.1934



Tritanopia

38.7588, 44.5308, 61.1961

Trichromacy



Original Color

40.9294, 44.4854, 72.0750

Protanomaly

42.7559, 44.2729, 69.9104

Deuteranomaly

43.4813, 44.2928, 72.5873

Tritanomaly

39.4364, 44.4880, 64.9010

Monochromacy



Original Color

40.9294, 44.4854, 72.0750

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.5245, 43.4510, 54.9662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9294, 44.4854, 72.0750 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(145, 182, 217)` looks like.

```
.text, #text, p{  
    color:rgb(145, 182, 217)  
}
```

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(145, 182, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 182, 217) }
```

Border

The CSS property to change the border of an element to XYZ 40.9294, 44.4854, 72.0750 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(145, 182, 217) }
```


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

```
.border{ border-color:rgb(145, 182, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 182, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 182, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 182, 217);  
box-shadow:4px 4px 4px 4px rgb(145, 182,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9294, 44.4854, 72.0750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 182, 217) }
```

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

```
.background{ background-color: rgb(145,  
182, 217) }
```

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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