

Converting Colors

XYZ(40.5129, 42.0966, 76.9658)

Have a look what the booklet for
XYZ(40.5129, 42.0966, 76.9658)
contains.

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Color

**XYZ(40.5976, 42.1159,
77.2236)**

Conversions

Conversions Part 1

Format	Color
Hex	91AFE1
RGB	145, 175, 225
RGB Percent	57%, 69%, 88%
CMY	0.4314, 0.3137, 0.1176
CMYK	0.36, 0.22, 0.00, 0.12
HSL	217°, 57%, 73%
HSV	217°, 36%, 88%
XYZ	40.5976, 42.1159, 77.2236
YIQ	171.7300, -33.9300, 9.1900

Conversions

Conversions Part 2

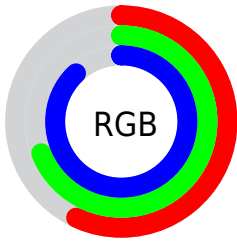
Format	Color
R _Y B	145, 167, 225
Decimal	9547745
CIE Lab	70.95, 1.76, -28.44
CIE LCh	71, 28.498, 273.548
Yxy	42.1159, 0.2538, 0.2633
Android (android.graphics.Color)	4287737825 (0xFF91AFE1)
YUV	171.7300, 26.2621, -23.4422
Hunter-Lab	64.8968, -1.9047, -25.1241

Details

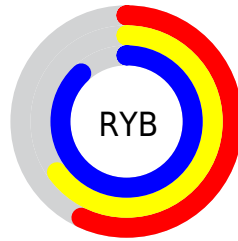
The XYZ color **40.5976, 42.1159, 77.2236** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.6781, 57.0829, 34.8730**, and the grayscale version is **38.9612, 40.9902, 44.6384**.

A 20% lighter version of the original color is **70.4342, 76.2311, 105.6095**, and **18.6530, 19.2923, 40.7709** is the 20% darker color. If you saturate the color by 10%, you get **34.4228, 35.0798, 76.1917**, and if you desaturate by 10%, it is **47.8454, 50.1301, 78.3892**.

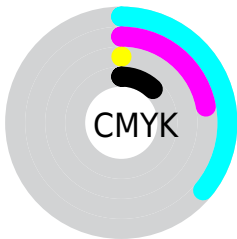
Distribution



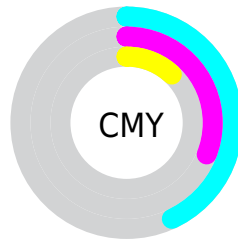
- Red (57%)
- Green (69%)
- Blue (88%)



- Red (57%)
- Yellow (65%)
- Blue (88%)



- Cyan (36%)
- Magenta (22%)
- Yellow (0%)
- Black (12%)



- Cyan (43%)
- Magenta (31%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5976, 42.1159, 77.2236 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 40.5976, 42.1159, 77.2236 by changing the saturation by 10% instead.

■ 40.5976, 42.1159,
77.2236

■ 40.5976, 42.1159,
77.2236

339.7274,
354.9632, 504.9840

■ 28.1911, 29.1921,
56.9238

■ 75.3512, 78.3750,
131.2310

■ 18.6109, 19.2262,
40.5351

■ 98.4290, 102.4791,
165.7756

■ 11.4918, 11.8338,
27.6390

125.7947,
131.0786, 205.9055

■ 6.4684, 6.6306,
17.8171

157.8135,
164.5581, 252.0393

■ 3.1753, 3.2322,
10.6506

194.8508,
203.3019, 304.5955

■ 1.2471, 1.2541,
5.7212

237.2719,

■ 0.1431, 0.1053,

247.6944, 363.9926

2.6103

285.4424,
298.1200, 430.6493

■ 0.0000, 0.0000,
0.8978

■ 0.0000, 0.0000,
0.0000

■ 40.5976, 42.1159,
77.2236

■ 40.5976, 42.1159,
77.2236

■ 34.4228, 35.0798,
76.1917

■ 47.8454, 50.1301,
78.3892

■ 29.2614, 28.9754,
75.2855

■ 56.2130, 59.1562,
79.6904

■ 25.0544, 23.7598,
74.5005

■ 65.7495, 69.2322,
81.1327

■ 21.7340, 19.3837,
73.8308

■ 76.4996, 80.3925,
82.7202

■ 19.2223, 15.7919,
73.2699

■ 87.5786, 92.1919,
84.4138

■ 17.4254, 12.9197,
72.8102

■ 90.5907, 98.2163,
85.4179

■ 16.7904, 11.8357,
72.6344

Harmonies

Analogous

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



36.0986, 42.1159, 73.4813



40.5976, 42.1159, 77.2236



45.2911, 42.1159, 71.2876

Triad

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



40.5976, 42.1159, 77.2236



48.1326, 42.1159, 32.8701



32.3985, 42.1159, 35.1665

Complementary

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



40.5976, 42.1159, 77.2236



55.6781, 57.0829, 34.8730

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.



35.1927, 42.1159, 27.3325



40.5976, 42.1159, 77.2236



44.2368, 42.1159, 26.2023

Square

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



40.5976, 42.1159, 77.2236



49.8528, 42.1159, 44.2578



39.4675, 42.1159, 24.3948



31.5903, 42.1159, 47.4944

Rectangle

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



40.5976, 42.1159, 77.2236



47.8330, 42.1159, 63.2159



39.4675, 42.1159, 24.3948



33.1252, 42.1159, 32.0080

Sweetspot

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



40.5990, 42.1175, 77.2246



80.1329, 84.3831, 106.6718



48.3785, 63.7812, 60.9978



16.7873, 17.6754, 22.7769



0.0000, 0.0000, 0.0000



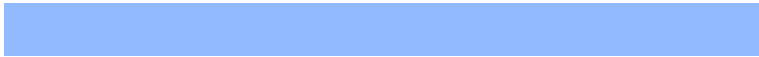
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5990, 42.1175, 77.2246



47.4468, 48.5876, 101.4854



37.1072, 32.5912, 75.5699



13.3711, 14.0813, 17.4009



9.7787, 7.0270, 41.8893



0.7619, 0.6553, 2.9316

Inverse Universe

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



48.9157, 39.3548, 45.5772



60.3319, 45.1831, 52.2579



60.2575, 70.4438, 37.2106



13.9188, 13.7851, 15.3424



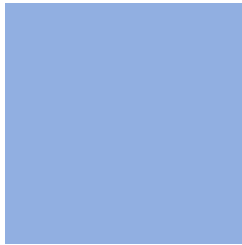
18.8760, 9.6174, 6.0130



1.3508, 0.6836, 0.6403

Previews

White Background



This preview shows how the XYZ color 40.5976, 42.1159, 77.2236 looks on a white background.

Color Contrast Check

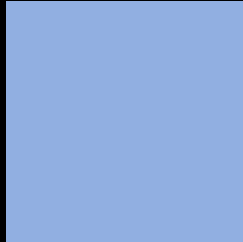
Large Text (above 18pt) WCAG AA × Fail

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 40.5976, 42.1159, 77.2236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

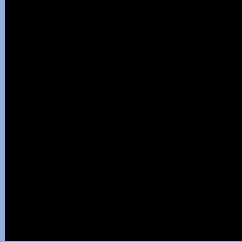
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

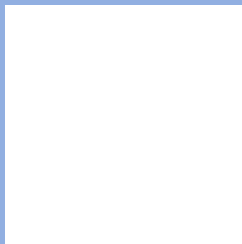
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5976, 42.1159, 77.2236

Background



This preview shows how black text looks on a background with the XYZ color 40.5976, 42.1159, 77.2236.



This preview shows how white text looks on a background with the XYZ color 40.5976, 42.1159,

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

40.5976, 42.1159, 77.2236

Protanopia

42.2449, 41.8733, 74.9631

Deuteranopia

43.0025, 41.9218, 77.7768



Tritanopia

36.6528, 41.9859, 57.8020

Trichromacy



Original Color

40.5976, 42.1159, 77.2236

Protanomaly

41.5894, 41.8013, 75.6885

Deuteranomaly

42.1903, 42.0640, 77.8470

Tritanomaly

38.0455, 41.9597, 64.4863

Monochromacy



Original Color

40.5976, 42.1159, 77.2236

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.2478, 41.3301, 55.1991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5976, 42.1159, 77.2236 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, 175, 225)` looks like.

```
.text, #text, p{  
    color:rgb(145, 175, 225)  
}
```

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, 175, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 175, 225) }
```

Border

The CSS property to change the border of an element to XYZ 40.5976, 42.1159, 77.2236 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, 175, 225) }
```


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

```
.border{ border-color:rgb(145, 175, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 175, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 175, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 175, 225);  
box-shadow:4px 4px 4px 4px rgb(145, 175,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5976, 42.1159, 77.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 175, 225) }
```

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

```
.background{ background-color: rgb(145,  
175, 225) }
```

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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