

Converting Colors

XYZ(39.9569, 41.5291, 75.7220)

Have a look what the booklet for
XYZ(39.9569, 41.5291, 75.7220)
contains.

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Color

**XYZ(39.9569, 41.5291,
75.7220)**

Conversions

Conversions Part 1

Format	Color
Hex	90AEDF
RGB	144, 174, 223
RGB Percent	56%, 68%, 87%
CMY	0.4353, 0.3176, 0.1255
CMYK	0.35, 0.22, 0.00, 0.13
HSL	217°, 55%, 72%
HSV	217°, 35%, 87%
XYZ	39.9569, 41.5291, 75.7220
YIQ	170.6160, -33.6090, 8.8790

Conversions

Conversions Part 2

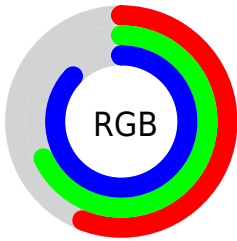
Format	Color
RYB	144, 166, 223
Decimal	9481951
CIELab	70.55, 1.52, -27.98
CIElCh	71, 28.020, 273.111
Yxy	41.5291, 0.2542, 0.2642
Android (android.graphics.Color)	4287672031 (0xFF90AEDF)
YUV	170.6160, 25.8253, -23.3422
Hunter-Lab	64.4431, -2.0993, -24.5569

Details

The XYZ color **39.9569, 41.5291, 75.7220** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.5362, 55.8423, 34.2911**, and the grayscale version is **38.4041, 40.4041, 44.0001**.

A 20% lighter version of the original color is **69.8887, 75.5380, 105.5045**, and **18.2439, 18.9199, 39.7361** is the 20% darker color. If you saturate the color by 10%, you get **33.9041, 34.6449, 74.7130**, and if you desaturate by 10%, it is **47.0569, 49.3634, 76.8607**.

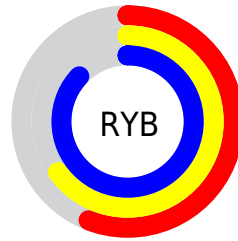
Distribution



Red (56%)

Green (68%)

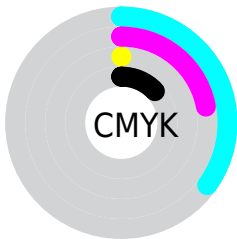
Blue (87%)



Red (56%)

Yellow (65%)

Blue (87%)

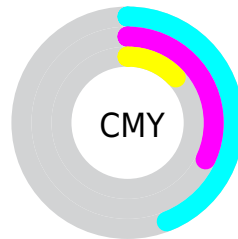


Cyan (35%)

Magenta (22%)

Yellow (0%)

Black (13%)



Cyan (44%)

Magenta (32%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9569, 41.5291, 75.7220 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 39.9569, 41.5291, 75.7220 by changing the saturation by 10% instead.

■ 39.9569, 41.5291,
75.7220

■ 39.9569, 41.5291,
75.7220

337.0794,
352.5271, 499.7170

■ 27.6890, 28.7327,
55.6993

■ 74.3826, 77.4864,
129.0903

■ 18.2306, 18.8787,
39.5595

■ 97.2712, 101.4162,
163.2731

■ 11.2164, 11.5827,
26.8841

124.4307,
129.8259, 203.0129

■ 6.2809, 6.4602,
17.2545

156.2264,
163.0999, 248.7283

■ 3.0589, 3.1269,
10.2523

193.0238,
201.6227, 300.8379

■ 1.1850, 1.1983,
5.4587

235.1882,

■ 0.0945, 0.0603,

245.7785, 359.7602

2.4555

283.0850,
295.9519, 425.9137

■ 0.0000, 0.0000,
0.8164

■ 0.0000, 0.0000,
0.0000

■ 39.9569, 41.5291,
75.7220

■ 39.9569, 41.5291,
75.7220

■ 33.9041, 34.6449,
74.7130

■ 47.0569, 49.3634,
76.8607

■ 28.8406, 28.6660,
73.8258

■ 55.2497, 58.1805,
78.1308

■ 24.7087, 23.5507,
73.0562

■ 64.5831, 68.0171,
79.5375

■ 21.4427, 19.2514,
72.3985

■ 75.1007, 78.9067,
81.0850

■ 18.9667, 15.7147,
71.8464

■ 86.6581, 90.7851,
82.7687

■ 17.1894, 12.8782,
71.3925

■ 90.3194, 98.1078,
83.9891

■ 16.5433, 11.7755,
71.2137

Harmonies

Analogous

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



35.5846, 41.5291, 71.9555



39.9569, 41.5291, 75.7220



44.5332, 41.5291, 70.0874

Triad

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



39.9569, 41.5291, 75.7220



47.4011, 41.5291, 32.6813



32.0587, 41.5291, 34.6481

Complementary

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



39.9569, 41.5291, 75.7220



54.5362, 55.8423, 34.2911

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.



34.8099, 41.5291, 27.0611



39.9569, 41.5291, 75.7220



43.6331, 41.5291, 26.0911

Square

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



39.9569, 41.5291, 75.7220



49.0366, 41.5291, 43.8496



38.9914, 41.5291, 24.2533



31.2400, 41.5291, 46.6149

Rectangle

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



39.9569, 41.5291, 75.7220



47.0221, 41.5291, 62.2975



38.9914, 41.5291, 24.2533



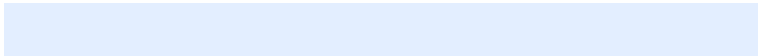
32.7770, 41.5291, 31.5860

Sweetspot

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



39.9583, 41.5307, 75.7230



80.1716, 84.4604, 106.6847



47.4844, 62.5432, 59.8570



16.7964, 17.6938, 22.7799



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.



39.9583, 41.5307, 75.7230



47.5571, 48.8081, 101.5221



36.4715, 32.0690, 74.0804



13.3765, 14.0922, 17.4027



9.8279, 7.1253, 41.9057



0.7657, 0.6628, 2.9328

Inverse Universe

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



48.0458, 38.6918, 44.9820



60.3876, 45.2054, 52.5510



59.0910, 69.0534, 36.6011



13.9215, 13.7862, 15.3569



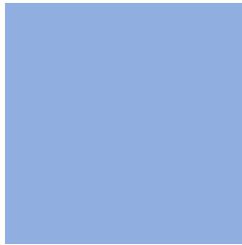
18.9009, 9.6273, 6.1437



1.3527, 0.6844, 0.6503

Previews

White Background



This preview shows how the XYZ color 39.9569, 41.5291, 75.7220 looks on a white background.

Color Contrast Check

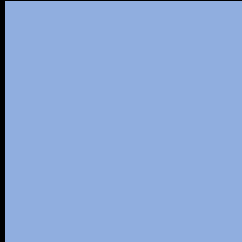
Large Text (above 18pt) WCAG AA × Fail

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 39.9569, 41.5291, 75.7220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

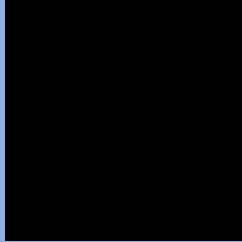
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

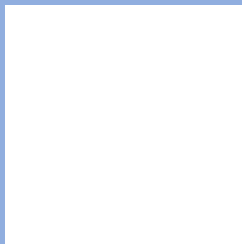
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9569, 41.5291, 75.7220

Background



This preview shows how black text looks on a background with the XYZ color 39.9569, 41.5291, 75.7220.



This preview shows how white text looks on a background with the XYZ color 39.9569, 41.5291,

75.7220.

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

39.9569, 41.5291, 75.7220

Protanopia

41.5911, 41.2877, 73.4874

Deuteranopia

42.3405, 41.3348, 76.2678



Tritanopia

36.1742, 41.4536, 57.1337

Trichromacy



Original Color

39.9569, 41.5291, 75.7220

Protanomaly

40.9405, 41.2163, 74.2044

Deuteranomaly

41.5350, 41.4762, 76.3376

Tritanomaly

37.5568, 41.4275, 63.7745

Monochromacy



Original Color

39.9569, 41.5291, 75.7220

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7447, 40.7998, 54.5483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9569, 41.5291, 75.7220 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(144, 174, 223)` looks like.

```
.text, #text, p{  
    color:rgb(144, 174, 223)  
}
```

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(144, 174, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 174, 223) }
```

Border

The CSS property to change the border of an element to XYZ 39.9569, 41.5291, 75.7220 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(144, 174, 223) }
```


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

```
.border{ border-color:rgb(144, 174, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 174, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 174, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 174, 223);  
box-shadow:4px 4px 4px 4px rgb(144, 174,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9569, 41.5291, 75.7220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 174, 223) }
```

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

```
.background{ background-color: rgb(144,  
174, 223) }
```

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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