

Converting Colors

XYZ(38.7311, 40.7494, 64.1329)

Have a look what the booklet for
XYZ(38.7311, 40.7494, 64.1329)
contains.

XYZ(38.8466, 40.9227, 64.2439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8466, 40.9227,
64.2439)**

Conversions

Conversions Part 1

Format	Color
Hex	97ADCE
RGB	151, 173, 206
RGB Percent	59%, 68%, 81%
CMY	0.4078, 0.3216, 0.1922
CMYK	0.27, 0.16, 0.00, 0.19
HSL	216°, 36%, 70%
HSV	216°, 27%, 81%
XYZ	38.8466, 40.9227, 64.2439
YIQ	170.1840, -23.7050, 5.5990

Conversions

Conversions Part 2

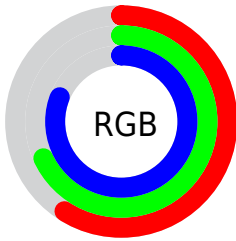
Format	Color
RYB	151, 167, 206
Decimal	9940430
CIELab	70.12, -0.16, -19.26
CIElCh	70, 19.262, 269.534
Yxy	40.9227, 0.2697, 0.2842
Android (android.graphics.Color)	4288130510 (0xFF97ADCE)
YUV	170.1840, 17.6573, -16.8244
Hunter-Lab	63.9709, -3.5540, -14.7635

Details

The XYZ color **38.8466, 40.9227, 64.2439** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.1804, 49.6372, 36.3207**, and the grayscale version is **38.2244, 40.2150, 43.7942**.

A 20% lighter version of the original color is **71.2470, 75.8286, 105.4890**, and **17.6505, 18.5944, 32.3646** is the 20% darker color. If you saturate the color by 10%, you get **33.0912, 34.5996, 63.3274**, and if you desaturate by 10%, it is **45.4918, 48.0320, 65.2666**.

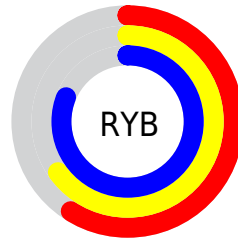
Distribution



Red (59%)

Green (68%)

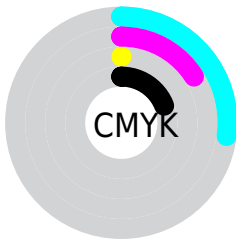
Blue (81%)



Red (59%)

Yellow (65%)

Blue (81%)

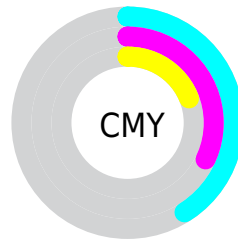


Cyan (27%)

Magenta (16%)

Yellow (0%)

Black (19%)



Cyan (41%)

Magenta (32%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8466, 40.9227, 64.2439 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 38.8466, 40.9227, 64.2439 by changing the saturation by 10% instead.

■ 38.8466, 40.9227,
64.2439

■ 38.8466, 40.9227,
64.2439

332.4563,
349.9974, 458.3015

■ 26.8206, 28.2587,
46.4008

■ 72.6995, 76.5665,
112.5650

■ 17.5744, 18.5208,
32.2113

■ 95.2571, 100.3152,
143.8800

■ 10.7427, 11.3245,
21.2568

122.0559,
128.5274, 180.5228

■ 5.9601, 6.2855,
13.1188

153.4614,
161.5877, 222.9118

■ 2.8613, 3.0195,
7.3787

189.8388,
199.8805, 271.4657

■ 1.0808, 1.1419,
3.6180

231.5535,

■ 0.0090, 0.0135,

243.7901, 326.6029

1.4182

278.9709,
293.7010, 388.7420

■ 0.0000, 0.0000,
0.1559

■ 0.0000, 0.0000,
0.0000

■ 38.8466, 40.9227,
64.2439

■ 38.8466, 40.9227,
64.2439

■ 33.0912, 34.5996,
63.3274

■ 45.4918, 48.0320,
65.2666

■ 28.1812, 29.0279,
62.5108

■ 53.0609, 55.9505,
66.3961

■ 24.0736, 24.1775,
61.7911

■ 61.5908, 64.7064,
67.6366

■ 20.7202, 20.0138,
61.1641

■ 71.1152, 74.3249,
68.9911

■ 18.0667, 16.4988,
60.6255

■ 81.6660, 84.8301,
70.4627

■ 16.0508, 13.5896,
60.1702

■ 85.6903, 92.3356,
71.6993

■ 14.5927, 11.2340,
59.7924

■ 88.1407, 97.2363,
72.5161

■ 14.1888, 10.5525,
59.6822

Harmonies

Analogous

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



35.9060, 40.9227, 61.2373



38.8466, 40.9227, 64.2439



41.9574, 40.9227, 61.4117

Triad

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



38.8466, 40.9227, 64.2439



44.4051, 40.9227, 36.5451



33.9070, 40.9227, 36.3316

Complementary

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



38.8466, 40.9227, 64.2439



48.1804, 49.6372, 36.3207

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.



35.9869, 40.9227, 31.1096



38.8466, 40.9227, 64.2439



42.0471, 40.9227, 31.2207

Square

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



38.8466, 40.9227, 64.2439



45.2699, 40.9227, 44.6990



38.9450, 40.9227, 29.3703



33.1500, 40.9227, 44.4171

Rectangle

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



38.8466, 40.9227, 64.2439



43.6864, 40.9227, 56.7855



38.9450, 40.9227, 29.3703



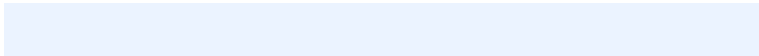
34.4689, 40.9227, 34.2251

Sweetspot

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



38.8479, 40.9243, 64.2448



84.1580, 88.7722, 107.3069



43.3905, 54.1451, 53.0102



17.5993, 18.5703, 22.9068



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.



38.8479, 40.9243, 64.2448



57.4538, 60.3131, 103.2212



35.8379, 33.6169, 62.9930



10.9639, 11.5683, 14.2254



8.8261, 6.6762, 36.7797



0.5290, 0.4918, 1.9220

Inverse Universe

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



44.0640, 38.2732, 44.6020



67.4062, 55.7591, 65.6297



51.8575, 58.8530, 37.9057



11.3951, 11.2868, 12.6154



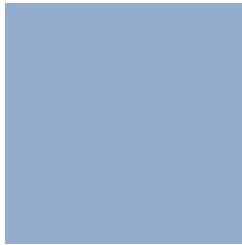
16.6659, 8.4770, 5.9595



0.8970, 0.4522, 0.5033

Previews

White Background



This preview shows how the XYZ color 38.8466, 40.9227, 64.2439 looks on a white background.

Color Contrast Check

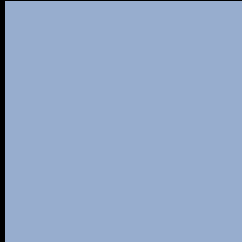
Large Text (above 18pt) WCAG AA × Fail

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 38.8466, 40.9227, 64.2439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

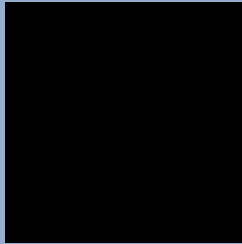
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

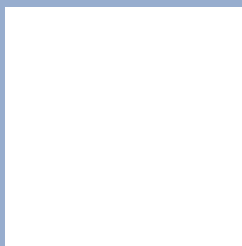
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8466, 40.9227, 64.2439

Background



This preview shows how black text looks on a background with the XYZ color 38.8466, 40.9227, 64.2439.



This preview shows how white text looks on a background with the XYZ color 38.8466, 40.9227,

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

38.8466, 40.9227, 64.2439

Protanopia

40.5837, 41.0016, 62.9019

Deuteranopia

41.6588, 40.6885, 64.6895



Tritanopia

37.0323, 41.0643, 54.6896

Trichromacy



Original Color

38.8466, 40.9227, 64.2439

Protanomaly

39.8804, 40.9045, 63.5510

Deuteranomaly

40.5547, 40.6675, 64.7436

Tritanomaly

37.6882, 41.0350, 58.1587

Monochromacy



Original Color

38.8466, 40.9227, 64.2439

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.2144, 40.3312, 50.5703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8466, 40.9227, 64.2439 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(151, 173, 206)` looks like.

```
.text, #text, p{  
    color:rgb(151, 173, 206)  
}
```

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(151, 173, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 173, 206) }
```

Border

The CSS property to change the border of an element to XYZ 38.8466, 40.9227, 64.2439 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(151, 173, 206) }
```


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

```
.border{ border-color:rgb(151, 173, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 173, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 173, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 173, 206);  
box-shadow:4px 4px 4px 4px rgb(151, 173,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8466, 40.9227, 64.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 173, 206) }
```

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

```
.background{ background-color: rgb(151,  
173, 206) }
```

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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