

Converting Colors

XYZ(39.5958, 42.8492, 82.5289)

Have a look what the booklet for
XYZ(39.5958, 42.8492, 82.5289)
contains.

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Color

**XYZ(39.6391, 42.9807,
82.5508)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB4E8
RGB	127, 180, 232
RGB Percent	50%, 71%, 91%
CMY	0.5019, 0.2941, 0.0902
CMYK	0.45, 0.22, 0.00, 0.09
HSL	210°, 70%, 70%
HSV	210°, 45%, 91%
XYZ	39.6391, 42.9807, 82.5508
YIQ	170.0810, -48.2800, 4.9360

Conversions

Conversions Part 2

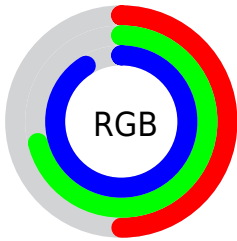
Format	Color
R _Y B	127, 162, 232
Decimal	8369384
CIE Lab	71.54, -3.77, -31.43
CIE LCh	72, 31.660, 263.158
Yxy	42.9807, 0.2400, 0.2602
Android (android.graphics.Color)	4286559464 (0xFF7FB4E8)
YUV	170.0810, 30.5261, -37.7820
Hunter-Lab	65.5597, -6.8036, -28.7645

Details

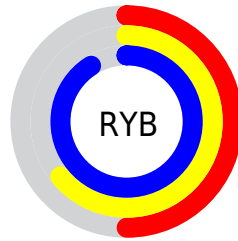
The XYZ color **39.6391, 42.9807, 82.5508** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.2307, 50.9297, 27.1051**, and the grayscale version is **38.1199, 40.1051, 43.6745**.

A 20% lighter version of the original color is **67.8126, 77.4013, 105.9736**, and **17.9516, 19.6154, 43.9143** is the 20% darker color. If you saturate the color by 10%, you get **34.3495, 36.9528, 81.6669**, and if you desaturate by 10%, it is **45.9194, 49.8065, 83.5381**.

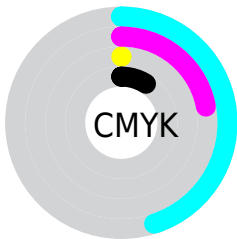
Distribution



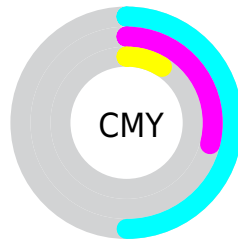
- Red (50%)
- Green (71%)
- Blue (91%)



- Red (50%)
- Yellow (64%)
- Blue (91%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (9%)



- Cyan (50%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6391, 42.9807, 82.5508 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 39.6391, 42.9807, 82.5508 by changing the saturation by 10% instead.

■ 39.6391, 42.9807,
82.5508

■ 39.6391, 42.9807,
82.5508

335.7606,
358.5324, 523.4200

■ 27.4402, 29.8700,
61.2812

■ 73.9015, 79.6817,
138.7897

■ 18.0424, 19.7399,
44.0201

■ 96.6957, 104.0408,
174.5962

■ 11.0803, 12.2061,
30.3490

■ 123.7524,
132.9182, 216.0853

■ 6.1886, 6.8842,
19.8493

155.4369,
166.6982, 263.6756

■ 3.0018, 3.3898,
12.1026

192.1147,
205.7652, 317.7857

■ 1.1547, 1.3385,
6.6902

234.1510,

■ 0.0702, 0.1707,

250.5036, 378.8341

3.1936

281.9112,
301.2979, 447.2393

■ 0.0000, 0.0000,
1.1943

■ 0.0000, 0.0000,
0.0000

■ 39.6391, 42.9807,
82.5508

■ 39.6391, 42.9807,
82.5508

■ 34.3495, 36.9528,
81.6669

■ 45.9194, 49.8065,
83.5381

■ 29.9862, 31.6801,
80.8791

■ 53.2405, 57.4601,
84.6295

■ 26.4833, 27.1225,
80.1840

■ 61.6543, 65.9754,
85.8297

■ 23.7633, 23.2324,
79.5765

■ 71.2076, 75.3830,
87.1420

■ 21.7316, 19.9532,
79.0507

■ 81.9443, 85.7115,
88.5697

■ 20.9392, 18.5734,
78.8261

■ 89.6628, 94.8006,
89.9173

■ 91.5656, 98.6063,
90.5516

Harmonies

Analogous

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



34.9912, 42.9807, 74.5447



39.6391, 42.9807, 82.5508



45.0308, 42.9807, 79.4327

Triad

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



39.6391, 42.9807, 82.5508



51.0543, 42.9807, 36.1462



33.1627, 42.9807, 31.2684

Complementary

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



39.6391, 42.9807, 82.5508



53.2307, 50.9297, 27.1051

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.



36.9399, 42.9807, 24.6084



39.6391, 42.9807, 82.5508



47.3329, 42.9807, 26.9654

Square

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



39.6391, 42.9807, 82.5508



51.9357, 42.9807, 50.3953



42.0891, 42.9807, 23.2258



31.4691, 42.9807, 43.3774

Rectangle

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



39.6391, 42.9807, 82.5508



48.2969, 42.9807, 71.7358



42.0891, 42.9807, 23.2258



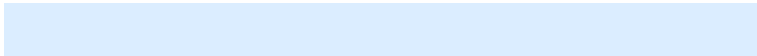
34.2142, 42.9807, 28.4357

Sweetspot

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



39.6405, 42.9823, 82.5518



77.7307, 83.0805, 106.5470



45.6210, 65.4306, 52.2144



16.1206, 17.2669, 22.7331



0.0000, 0.0000, 0.0000



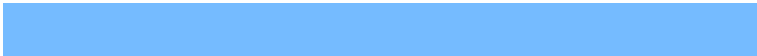
20.3446, 21.4041, 23.3091

Same Dimension

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



39.6405, 42.9823, 82.5518



43.1557, 46.4811, 101.3049



31.1367, 25.9745, 79.7172



14.1811, 15.0835, 18.3083



11.7508, 10.5637, 43.8028



0.9613, 0.9665, 3.2679

Inverse Universe

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



49.1075, 35.6313, 47.4708



56.5852, 37.6322, 51.1862



65.4768, 75.4219, 31.1871



14.6790, 14.4888, 16.5099



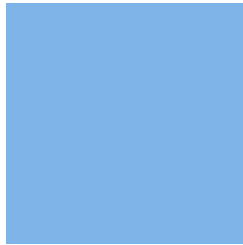
20.3248, 10.2641, 10.6052



1.5488, 0.7772, 1.0307

Previews

White Background



This preview shows how the XYZ color 39.6391, 42.9807, 82.5508 looks on a white background.

Color Contrast Check

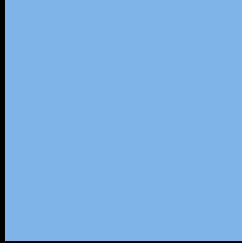
Large Text (above 18pt) WCAG AA × Fail

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 39.6391, 42.9807, 82.5508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

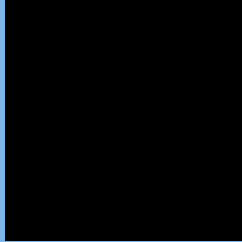
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.6391, 42.9807, 82.5508

Background



This preview shows how black text looks on a background with the XYZ color 39.6391, 42.9807, 82.5508.



This preview shows how white text looks on a background with the XYZ color 39.6391, 42.9807,

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

39.6391, 42.9807, 82.5508

Protanopia

43.1682, 42.8517, 77.9475

Deuteranopia

43.9019, 42.8165, 83.7924



Tritanopia

35.5727, 43.1864, 61.7193

Trichromacy



Original Color

39.6391, 42.9807, 82.5508

Protanomaly

41.7417, 42.9480, 79.4886

Deuteranomaly

42.0706, 42.7462, 83.1243

Tritanomaly

36.9093, 43.0994, 68.6610

Monochromacy



Original Color

39.6391, 42.9807, 82.5508

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0881, 40.9924, 56.3569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6391, 42.9807, 82.5508 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(127, 180, 232)` looks like.

```
.text, #text, p{  
    color:rgb(127, 180, 232)  
}
```

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(127, 180, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 180, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.6391, 42.9807, 82.5508 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(127, 180, 232) }
```


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

```
.border{ border-color:rgb(127, 180, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 180, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 180, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 180, 232);  
box-shadow:4px 4px 4px 4px rgb(127, 180,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6391, 42.9807, 82.5508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 180, 232) }
```

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

```
.background{ background-color: rgb(127,  
180, 232) }
```

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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