

Converting Colors

XYZ(40.6372, 44.3121, 79.6798)

Have a look what the booklet for
XYZ(40.6372, 44.3121, 79.6798)
contains.

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Color

**XYZ(40.5631, 44.1257,
79.7780)**

Conversions

Conversions Part 1

Format	Color
Hex	86B6E4
RGB	134, 182, 228
RGB Percent	53%, 71%, 89%
CMY	0.4745, 0.2863, 0.1059
CMYK	0.41, 0.20, 0.00, 0.11
HSL	209°, 64%, 71%
HSV	209°, 41%, 89%
XYZ	40.5631, 44.1257, 79.7780
YIQ	172.8920, -43.3740, 4.1300

Conversions

Conversions Part 2

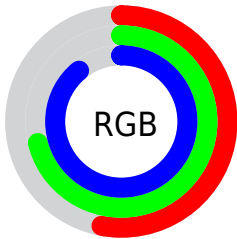
Format	Color
RYB	134, 166, 228
Decimal	8828644
CIELab	72.31, -4.21, -28.04
CIELCh	72, 28.355, 261.456
Yxy	44.1257, 0.2466, 0.2683
Android (android.graphics.Color)	4287018724 (0xFF86B6E4)
YUV	172.8920, 27.1682, -34.1083
Hunter-Lab	66.4272, -7.2483, -24.7073

Details

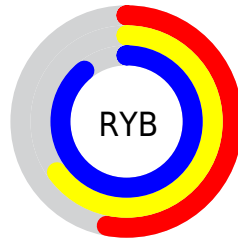
The XYZ color **40.5631, 44.1257, 79.7780** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.6204, 50.8590, 29.5992**, and the grayscale version is **39.5486, 41.6082, 45.3113**.

A 20% lighter version of the original color is **69.8597, 79.3162, 106.2353**, and **18.5211, 20.3413, 41.9798** is the 20% darker color. If you saturate the color by 10%, you get **35.1188, 38.0619, 78.8953**, and if you desaturate by 10%, it is **46.9757, 50.9609, 80.7601**.

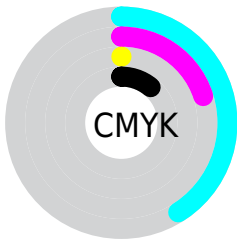
Distribution



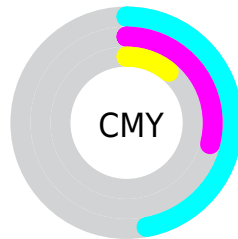
- Red (53%)
- Green (71%)
- Blue (89%)



- Red (53%)
- Yellow (65%)
- Blue (89%)



- Cyan (41%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5631, 44.1257, 79.7780 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 40.5631, 44.1257, 79.7780 by changing the saturation by 10% instead.

■ 40.5631, 44.1257,
79.7780

■ 40.5631, 44.1257,
79.7780

339.5851,
363.2210, 513.8714

■ 28.1640, 30.7693,
59.0106

■ 75.2991, 81.4069,
134.8621

■ 18.5904, 20.4233,
42.2016

■ 98.3668, 106.1004,
170.0160

■ 11.4770, 12.7031,
28.9324

■ 125.7213,
135.3419, 210.8023

■ 6.4582, 7.2244,
18.7846

157.7282,
169.5156, 257.6398

■ 3.1690, 3.6028,
11.3395

194.7526,
209.0060, 310.9469

■ 1.2437, 1.4540,
6.1786

237.1600,

■ 0.1405, 0.2560,

254.1974, 371.1422

2.8835

285.3157,
305.4743, 438.6442

■ 0.0000, 0.0000,
1.0354

■ 0.0000, 0.0000,
0.0000

■ 40.5631, 44.1257,
79.7780

■ 40.5631, 44.1257,
79.7780

■ 35.1188, 38.0619,
78.8953

■ 46.9757, 50.9609,
80.7601

■ 30.5835, 32.7297,
78.1051

■ 54.4027, 58.5944,
81.8421

■ 26.8973, 28.0928,
77.4044

■ 62.8922, 67.0579,
83.0283

■ 23.9907, 24.1086,
76.7886

■ 72.4877, 76.3794,
84.3218

■ 21.7808, 20.7273,
76.2524

■ 83.2303, 86.5858,
85.7256

■ 20.2985, 18.1910,
75.8410

■ 89.1032, 94.5804,
86.9592

■ 91.0037, 98.3815,
87.5927

Harmonies

Analogous

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



36.3669, 44.1257, 72.2458



40.5631, 44.1257, 79.7780



45.4628, 44.1257, 77.6072

Triad

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



40.5631, 44.1257, 79.7780



51.2818, 44.1257, 38.8805



35.0284, 44.1257, 33.1856

Complementary

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



40.5631, 44.1257, 79.7780



52.6204, 50.8590, 29.5992

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.



38.6044, 44.1257, 27.1433



40.5631, 44.1257, 79.7780



48.0555, 44.1257, 29.9608

Square

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



40.5631, 44.1257, 79.7780



51.9081, 44.1257, 52.1445



43.3480, 44.1257, 26.0895



33.3377, 44.1257, 44.1669

Rectangle

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



40.5631, 44.1257, 79.7780



48.4562, 44.1257, 71.1008



43.3480, 44.1257, 26.0895



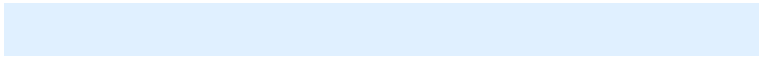
36.0361, 44.1257, 30.6054

Sweetspot

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



40.5646, 44.1274, 79.7790



80.0822, 85.4666, 106.8837



45.7568, 63.8285, 52.7879



16.8193, 17.9757, 22.8331



0.0000, 0.0000, 0.0000



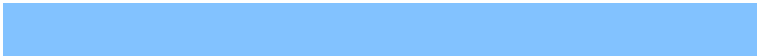
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5646, 44.1274, 79.7790



46.5231, 50.4888, 101.9010



32.5798, 28.1579, 77.1175



14.1883, 15.0979, 18.3107



11.8401, 10.7423, 43.8326



0.9679, 0.9797, 3.2701

Inverse Universe

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



48.9648, 36.9231, 48.8038



58.9506, 41.1271, 55.7848



63.6133, 72.8448, 33.2635



14.6826, 14.4902, 16.5291



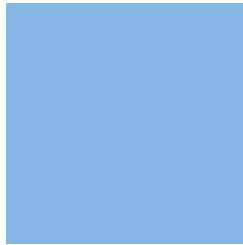
20.3698, 10.2822, 10.8425



1.5522, 0.7786, 1.0483

Previews

White Background



This preview shows how the XYZ color 40.5631, 44.1257, 79.7780 looks on a white background.

Color Contrast Check

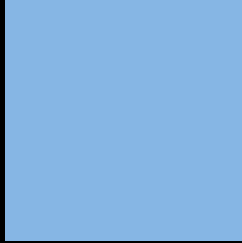
Large Text (above 18pt) WCAG AA × Fail

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 40.5631, 44.1257, 79.7780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

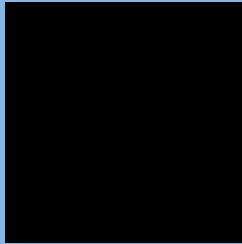
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5631, 44.1257, 79.7780

Background



This preview shows how black text looks on a background with the XYZ color 40.5631, 44.1257, 79.7780.



This preview shows how white text looks on a background with the XYZ color 40.5631, 44.1257,

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

40.5631, 44.1257, 79.7780

Protanopia

44.1663, 43.9870, 75.9746

Deuteranopia

44.9360, 43.9846, 80.9844



Tritanopia

37.1834, 44.3169, 62.4714

Trichromacy



Original Color

40.5631, 44.1257, 79.7780

Protanomaly

42.8374, 44.1471, 77.4976

Deuteranomaly

43.1914, 43.9714, 80.3396

Tritanomaly

38.3128, 44.1469, 68.1299

Monochromacy



Original Color

40.5631, 44.1257, 79.7780

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.4490, 42.2719, 56.5322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5631, 44.1257, 79.7780 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(134, 182, 228)` looks like.

```
.text, #text, p{  
    color:rgb(134, 182, 228)  
}
```

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(134, 182, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 182, 228) }
```

Border

The CSS property to change the border of an element to XYZ 40.5631, 44.1257, 79.7780 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(134, 182, 228) }
```


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

```
.border{ border-color:rgb(134, 182, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 182, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 182, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 182, 228); box-shadow:4px 4px 4px 4px rgb(134, 182, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5631, 44.1257, 79.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 182, 228) }
```

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

```
.background{ background-color: rgb(134,  
182, 228) }
```

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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