

Converting Colors

XYZ(44.9720, 50.4047, 86.7157)

Have a look what the booklet for
XYZ(44.9720, 50.4047, 86.7157)
contains.

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Color

**XYZ(44.9720, 50.4047,
86.7157)**

Conversions

Conversions Part 1

Format	Color
Hex	89C3EC
RGB	137, 195, 236
RGB Percent	54%, 76%, 93%
CMY	0.4627, 0.2353, 0.0745
CMYK	0.42, 0.17, 0.00, 0.07
HSL	205°, 72%, 73%
HSV	205°, 42%, 93%
XYZ	44.9720, 50.4047, 86.7157
YIQ	182.3320, -47.7290, 0.4550

Conversions

Conversions Part 2

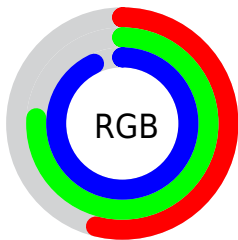
Format	Color
R _Y B	137, 174, 236
Decimal	9028588
CIE Lab	76.32, -8.30, -26.22
CIE LCh	76, 27.501, 252.432
Yxy	50.4047, 0.2470, 0.2768
Android (android.graphics.Color)	4287218668 (0xFF89C3EC)
YUV	182.3320, 26.4583, -39.7562
Hunter-Lab	70.9963, -11.1741, -22.7201

Details

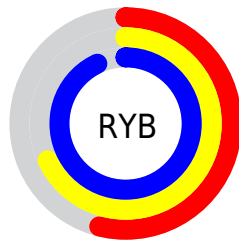
The XYZ color **44.9720, 50.4047, 86.7157** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.0291, 51.4812, 30.7052**, and the grayscale version is **44.5246, 46.8434, 51.0124**.

A 20% lighter version of the original color is **75.1085, 88.3101, 107.6947**, and **21.1564, 24.0944, 46.7156** is the 20% darker color. If you saturate the color by 10%, you get **39.3998, 44.3879, 85.8489**, and if you desaturate by 10%, it is **51.5369, 57.1482, 87.6722**.

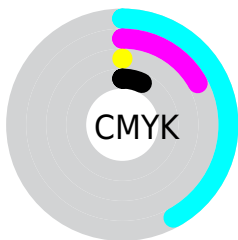
Distribution



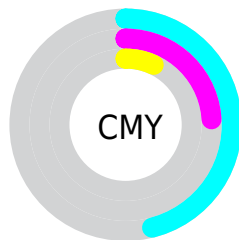
- Red (54%)
- Green (76%)
- Blue (93%)



- Red (54%)
- Yellow (68%)
- Blue (93%)



- Cyan (42%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (46%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9720, 50.4047, 86.7157 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 44.9720, 50.4047, 86.7157 by changing the saturation by 10% instead.

■ 44.9720, 50.4047,
86.7157

■ 44.9720, 50.4047,
86.7157

357.4458,
388.2465, 537.5801

■ 31.6366, 35.7351,
64.7017

■ 81.9157, 90.7742,
144.6632

■ 21.2382, 24.2297,
46.7694

■ 106.2547,
117.2429, 181.4337

■ 13.4117, 15.5041,
32.5004

■ 134.9922,
148.4133, 223.9602

■ 7.7916, 9.1739,
21.4760

168.4937,
184.6700, 272.6611

■ 4.0126, 4.8548,
13.2778

207.1244,
226.3972, 327.9550

■ 1.7093, 2.1623,
7.4871

251.2498,

■ 0.4620, 0.6993,

273.9795, 390.2605

3.6855

301.2351,
327.8011, 459.9960

■ 0.0000, 0.0000,
1.4545

■ 0.0000, 0.0000,
0.1837

■ 44.9720, 50.4047,
86.7157

■ 44.9720, 50.4047,
86.7157

■ 39.3998, 44.3879,
85.8489

■ 51.5369, 57.1482,
87.6722

■ 34.7568, 39.0578,
85.0648

■ 59.1429, 64.6442,
88.7182

■ 30.9796, 34.3786,
84.3607

■ 67.8410, 72.9236,
89.8579

■ 27.9934, 30.3075,
83.7323

■ 77.6771, 82.0140,
91.0941

■ 25.7088, 26.7941,
83.1746

■ 88.6925, 91.9403,
92.4295

■ 24.2670, 24.3092,
82.7709

■ 91.7098, 97.9748,
93.4352

■ 92.1405, 98.8362,
93.5788

Harmonies

Analogous

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



40.9443, 50.4047, 76.4006



44.9720, 50.4047, 86.7157



50.0785, 50.4047, 87.6140

Triad

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



44.9720, 50.4047, 86.7157



58.2778, 50.4047, 48.9831



41.5138, 50.4047, 36.4492

Complementary

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



44.9720, 50.4047, 86.7157



55.0291, 51.4812, 30.7052

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.



45.8015, 50.4047, 31.5252



44.9720, 50.4047, 86.7157



55.6200, 50.4047, 37.8388

Square

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



44.9720, 50.4047, 86.7157



58.0156, 50.4047, 63.9246



50.9694, 50.4047, 31.9834



39.0486, 50.4047, 46.7354

Rectangle

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



44.9720, 50.4047, 86.7157



53.4351, 50.4047, 82.5648



50.9694, 50.4047, 31.9834



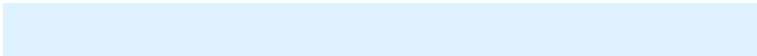
42.7761, 50.4047, 34.2027

Sweetspot

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



44.9736, 50.4066, 86.7169



79.6640, 85.7973, 106.9695



48.2094, 68.4689, 52.0629



16.5419, 17.8833, 22.8299



0.0000, 0.0000, 0.0000



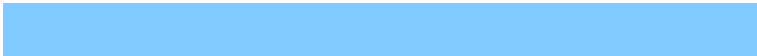
20.3446, 21.4041, 23.3091

Same Dimension

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



44.9736, 50.4066, 86.7169



48.0440, 54.1044, 102.5187



35.8767, 32.2127, 83.6846



14.9645, 16.0155, 19.2248



13.5069, 13.6609, 45.6679



1.1551, 1.2617, 3.6175

Inverse Universe

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



53.3895, 39.6660, 56.4740



59.5782, 40.8419, 60.7431



66.3322, 74.0873, 34.4729



15.4356, 15.2021, 17.5794



21.6730, 10.8719, 14.6111



1.7495, 0.8728, 1.3985

Previews

White Background



This preview shows how the XYZ color 44.9720, 50.4047, 86.7157 looks on a white background.

Color Contrast Check

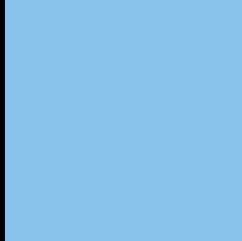
Large Text (above 18pt) WCAG AA × Fail

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 44.9720, 50.4047, 86.7157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

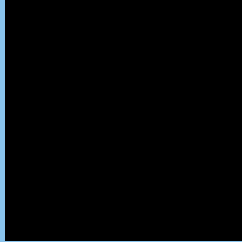
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.9720, 50.4047, 86.7157

Background



This preview shows how black text looks on a background with the XYZ color 44.9720, 50.4047, 86.7157.



This preview shows how white text looks on a background with the XYZ color 44.9720, 50.4047,

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

44.9720, 50.4047, 86.7157

Protanopia

50.0619, 50.2399, 81.1875

Deuteranopia

51.1635, 50.0377, 87.8506



Tritanopia

42.0492, 50.5784, 71.8364

Trichromacy



Original Color

44.9720, 50.4047, 86.7157

Protanomaly

47.8673, 50.0079, 83.4735

Deuteranomaly

48.5791, 49.9734, 87.2062

Tritanomaly

43.1862, 50.7024, 77.3224

Monochromacy



Original Color

44.9720, 50.4047, 86.7157

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.1569, 47.9119, 62.7977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9720, 50.4047, 86.7157 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(137, 195, 236)` looks like.

```
.text, #text, p{  
    color:rgb(137, 195, 236)  
}
```

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(137, 195, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 195, 236) }
```

Border

The CSS property to change the border of an element to XYZ 44.9720, 50.4047, 86.7157 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(137, 195, 236) }
```


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

```
.border{ border-color:rgb(137, 195, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 195, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 195, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 195, 236); box-shadow:4px 4px 4px 4px rgb(137, 195, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9720, 50.4047, 86.7157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 195, 236) }
```

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

```
.background{ background-color: rgb(137,  
195, 236) }
```

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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