

Converting Colors

XYZ(46.5044, 50.5316, 87.1499)

Have a look what the booklet for
XYZ(46.5044, 50.5316, 87.1499)
contains.

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Color

**XYZ(46.5688, 50.5503,
87.4235)**

Conversions

Conversions Part 1

Format	Color
Hex	94C1ED
RGB	148, 193, 237
RGB Percent	58%, 76%, 93%
CMY	0.4196, 0.2431, 0.0706
CMYK	0.38, 0.19, 0.00, 0.07
HSL	210°, 71%, 75%
HSV	210°, 38%, 93%
XYZ	46.5688, 50.5503, 87.4235
YIQ	184.5610, -40.9440, 4.1440

Conversions

Conversions Part 2

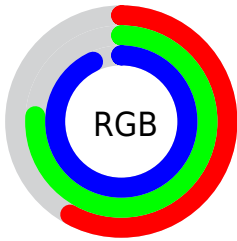
Format	Color
RYB	148, 178, 237
Decimal	9748973
CIELab	76.41, -4.13, -26.57
CIELCh	76, 26.887, 261.172
Yxy	50.5503, 0.2523, 0.2739
Android (android.graphics.Color)	4287939053 (0xFF94C1ED)
YUV	184.5610, 25.8524, -32.0640
Hunter-Lab	71.0987, -7.5075, -23.1343

Details

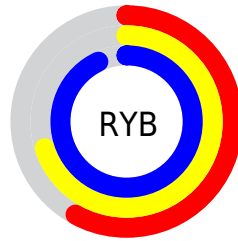
The XYZ color **46.5688, 50.5503, 87.4235** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.1210, 57.8430, 36.0674**, and the grayscale version is **45.7492, 48.1317, 52.4155**.

A 20% lighter version of the original color is **76.8275, 87.8087, 107.5073**, and **22.2328, 24.4195, 47.2577** is the 20% darker color. If you saturate the color by 10%, you get **40.2247, 43.5868, 86.4147**, and if you desaturate by 10%, it is **53.9991, 58.3806, 88.5442**.

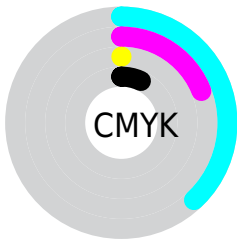
Distribution



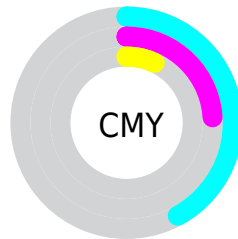
- Red (58%)
- Green (76%)
- Blue (93%)



- Red (58%)
- Yellow (70%)
- Blue (93%)



- Cyan (38%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (42%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5688, 50.5503, 87.4235 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 46.5688, 50.5503, 87.4235 by changing the saturation by 10% instead.

■ 46.5688, 50.5503,
87.4235

■ 46.5688, 50.5503,
87.4235

363.7684,
388.8141, 539.9658

■ 32.9014, 35.8508,
65.2841

■ 84.2923, 90.9897,
145.6584

■ 22.2098, 24.3190,
47.2387

■ 109.0791,
117.4984, 182.5909

■ 14.1286, 15.5704,
32.8687

138.3031,
148.7124, 225.2916

■ 8.2925, 9.2207,
21.7556

172.3297,
185.0159, 274.1789

■ 4.3360, 4.8854,
13.4808

211.5241,
226.7935, 329.6715

■ 1.8939, 2.1802,
7.6259

256.2518,

■ 0.5733, 0.7092,

274.4294, 392.1878

3.7722

306.8781,
328.3081, 462.1464

■ 0.0000, 0.0000,
1.5012

■ 0.0000, 0.0000,
0.2188

■ 46.5688, 50.5503,
87.4235

■ 46.5688, 50.5503,
87.4235

■ 40.2247, 43.5868,
86.4147

■ 53.9991, 58.3806,
88.5442

■ 34.9031, 37.4469,
85.5100

■ 62.5644, 67.1064,
89.7770

■ 30.5409, 32.0921,
84.7064

■ 72.3167, 76.7620,
91.1267

■ 27.0652, 27.4769,
83.9987

■ 83.3028, 87.3781,
92.5968

■ 24.3906, 23.5497,
83.3817

■ 91.2070, 96.7360,
93.9865

■ 22.4051, 20.2444,
82.8483

■ 92.2862, 98.8945,
94.3462

■ 21.9828, 19.5077,
82.7284

Harmonies

Analogous

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



42.2006, 50.5503, 79.7282



46.5688, 50.5503, 87.4235



51.6471, 50.5503, 85.3291

Triad

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



46.5688, 50.5503, 87.4235



57.7028, 50.5503, 45.5772



40.8582, 50.5503, 39.3528

Complementary

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



46.5688, 50.5503, 87.4235



59.1210, 57.8430, 36.0674

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.



44.6173, 50.5503, 32.9306



46.5688, 50.5503, 87.4235



54.4088, 50.5503, 36.0611

Square

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



46.5688, 50.5503, 87.4235



58.3168, 50.5503, 59.4287



49.5552, 50.5503, 31.8416



39.0589, 50.5503, 50.8742

Rectangle

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



46.5688, 50.5503, 87.4235



54.7409, 50.5503, 78.7935



49.5552, 50.5503, 31.8416



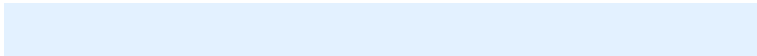
41.9215, 50.5503, 36.6169

Sweetspot

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



46.5704, 50.5522, 87.4247



81.2074, 86.5321, 107.0300



51.9041, 70.6278, 60.1982



17.0428, 18.1866, 22.8621



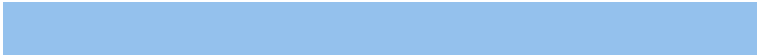
0.0000, 0.0000, 0.0000



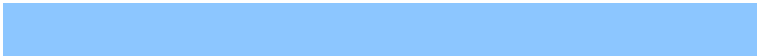
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5704, 50.5522, 87.4247



49.1635, 53.3293, 102.3101



38.3244, 34.0602, 84.6760



14.8607, 15.8078, 19.1902



12.1334, 10.9138, 45.2100



1.0490, 1.0495, 3.5822

Inverse Universe

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



55.1420, 43.0362, 55.8547



60.8790, 44.1790, 58.9088



70.1279, 79.8566, 39.7364



15.3832, 15.1811, 17.3034



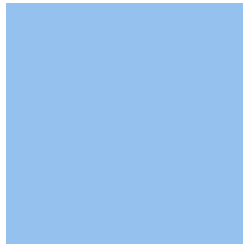
20.9797, 10.5946, 10.9602



1.6960, 0.8514, 1.1165

Previews

White Background



This preview shows how the XYZ color 46.5688, 50.5503, 87.4235 looks on a white background.

Color Contrast Check

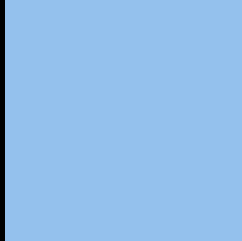
Large Text (above 18pt) WCAG AA × Fail

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 46.5688, 50.5503, 87.4235 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

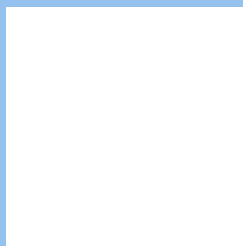
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5688, 50.5503, 87.4235

Background



This preview shows how black text looks on a background with the XYZ color 46.5688, 50.5503, 87.4235.



This preview shows how white text looks on a background with the XYZ color 46.5688, 50.5503,

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

46.5688, 50.5503, 87.4235

Protanopia

50.2559, 50.2911, 83.4023

Deuteranopia

51.5429, 50.2163, 88.6375



Tritanopia

43.1318, 50.4874, 70.4225

Trichromacy



Original Color

46.5688, 50.5503, 87.4235

Protanomaly

48.7748, 50.4427, 85.0076

Deuteranomaly

49.3514, 50.0385, 87.9462

Tritanomaly

44.4263, 50.6831, 76.5485

Monochromacy



Original Color

46.5688, 50.5503, 87.4235

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8956, 49.0967, 64.1844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5688, 50.5503, 87.4235 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(148, 193, 237)` looks like.

```
.text, #text, p{  
    color:rgb(148, 193, 237)  
}
```

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(148, 193, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 193, 237) }
```

Border

The CSS property to change the border of an element to XYZ 46.5688, 50.5503, 87.4235 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(148, 193, 237) }
```


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

```
.border{ border-color:rgb(148, 193, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 193, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 193, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 193, 237);  
box-shadow:4px 4px 4px 4px rgb(148, 193,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5688, 50.5503, 87.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 193, 237) }
```

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

```
.background{ background-color: rgb(148,  
193, 237) }
```

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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