

Converting Colors

XYZ(43.0854, 48.9404, 87.2964)

Have a look what the booklet for
XYZ(43.0854, 48.9404, 87.2964)
contains.

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Color

**XYZ(43.1820, 49.1336,
87.3286)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC2ED
RGB	126, 194, 237
RGB Percent	49%, 76%, 93%
CMY	0.5059, 0.2392, 0.0706
CMYK	0.47, 0.18, 0.00, 0.07
HSL	203°, 76%, 71%
HSV	203°, 47%, 93%
XYZ	43.1820, 49.1336, 87.3286
YIQ	178.5700, -54.3310, -1.0430

Conversions

Conversions Part 2

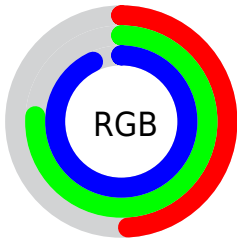
Format	Color
R _{YB}	126, 168, 237
Decimal	8307437
CIE Lab	75.53, -10.17, -28.00
CIE LCh	76, 29.792, 250.046
Yxy	49.1336, 0.2404, 0.2735
Android (android.graphics.Color)	4286497517 (0xFF7EC2ED)
YUV	178.5700, 28.8060, -46.1039
Hunter-Lab	70.0954, -12.7026, -24.7999

Details

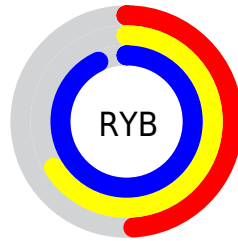
The XYZ color **43.1820, 49.1336, 87.3286** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.8802, 47.8882, 26.1965**, and the grayscale version is **42.4929, 44.7059, 48.6847**.

A 20% lighter version of the original color is **71.7640, 85.6585, 107.3591**, and **20.1025, 23.3213, 47.1580** is the 20% darker color. If you saturate the color by 10%, you get **38.1121, 43.5807, 86.5249**, and if you desaturate by 10%, it is **49.2091, 55.3695, 88.2155**.

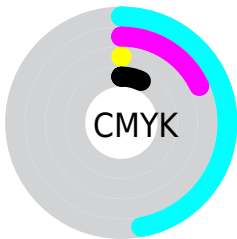
Distribution



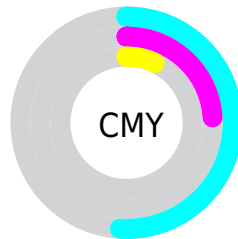
- Red (49%)
- Green (76%)
- Blue (93%)



- Red (49%)
- Yellow (66%)
- Blue (93%)



- Cyan (47%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (51%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1820, 49.1336, 87.3286 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 43.1820, 49.1336, 87.3286 by changing the saturation by 10% instead.

■ 43.1820, 49.1336,
87.3286

■ 43.1820, 49.1336,
87.3286

350.2685,
383.2680, 539.6463

■ 30.2231, 34.7255,
65.2060

■ 79.2394, 88.8898,
145.5250

■ 20.1569, 23.4515,
47.1757

■ 103.0687,
115.0068, 182.4358

■ 12.6181, 14.9272,
32.8193

■ 131.2520,
145.7954, 225.1132

■ 7.2413, 8.7683,
21.7180

164.1549,
181.6401, 273.9755

■ 3.6611, 4.5904,
13.4535

202.1426,
222.9253, 329.4415

■ 1.5123, 2.0090,
7.6072

245.5806,

■ 0.3341, 0.6127,

270.0355, 391.9296

3.7605

294.8341,
323.3549, 461.8583

■ 0.0000, 0.0000,
1.4949

■ 0.0000, 0.0000,
0.2141

■ 43.1820, 49.1336,
87.3286

■ 43.1820, 49.1336,
87.3286

■ 38.1121, 43.5807,
86.5249

■ 49.2091, 55.3695,
88.2155

■ 33.9329, 38.6700,
85.7973

■ 56.2444, 62.3147,
89.1852

■ 30.5766, 34.3640,
85.1431

■ 64.3406, 70.0008,
90.2421

■ 27.9617, 30.6175,
84.5577

■ 73.5454, 78.4553,
91.3888

■ 25.9855, 27.3735,
84.0357

■ 83.9031, 87.7043,
92.6281

■ 25.4409, 26.4238,
83.8811

■ 90.4295, 95.1810,
93.7273

■ 92.2862, 98.8945,
94.3462

Harmonies

Analogous

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



39.0607, 49.1336, 75.4548



43.1820, 49.1336, 87.3286



48.5698, 49.1336, 89.2197

Triad

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



43.1820, 49.1336, 87.3286



57.9104, 49.1336, 48.3853



40.2189, 49.1336, 33.4950

Complementary

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



43.1820, 49.1336, 87.3286



52.8802, 47.8882, 26.1965

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.



44.8789, 49.1336, 28.8671



43.1820, 49.1336, 87.3286



55.2756, 49.1336, 36.2766

Square

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



43.1820, 49.1336, 87.3286



57.3663, 49.1336, 64.5180



50.4041, 49.1336, 29.7741



37.4453, 49.1336, 43.8105

Rectangle

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



43.1820, 49.1336, 87.3286



52.1996, 49.1336, 84.2431



50.4041, 49.1336, 29.7741



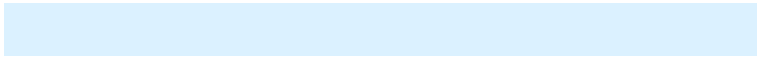
41.6010, 49.1336, 31.3242

Sweetspot

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



43.1836, 49.1354, 87.3298



78.8595, 85.3382, 106.9233



46.0090, 67.8529, 47.9887



16.3957, 17.8171, 22.8249



0.0000, 0.0000, 0.0000



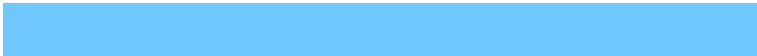
20.3446, 21.4041, 23.3091

Same Dimension

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



43.1836, 49.1354, 87.3298



45.3382, 51.8392, 102.2241



33.1171, 29.0025, 83.9743



14.9994, 16.0852, 19.2365



14.0207, 14.6885, 45.8392



1.1938, 1.3391, 3.6304

Inverse Universe

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



52.1249, 36.8228, 55.4010



57.4444, 37.0478, 58.5721



65.3612, 72.8503, 30.3569



15.4532, 15.2091, 17.6720



21.9323, 10.9756, 15.9768



1.7691, 0.8806, 1.5013

Previews

White Background



This preview shows how the XYZ color 43.1820, 49.1336, 87.3286 looks on a white background.

Color Contrast Check

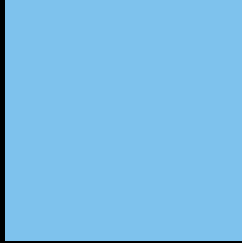
Large Text (above 18pt) WCAG AA × Fail

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 43.1820, 49.1336, 87.3286 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 43.1820, 49.1336, 87.3286

Background



This preview shows how black text looks on a background with the XYZ color 43.1820, 49.1336, 87.3286.

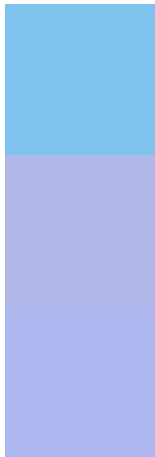


This preview shows how white text looks on a background with the XYZ color 43.1820, 49.1336,

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

43.1820, 49.1336, 87.3286

Protanopia

48.5319, 48.5228, 80.9367

Deuteranopia

49.9117, 48.7458, 89.2163



Tritanopia

39.9394, 49.1651, 71.0031

Trichromacy



Original Color

43.1820, 49.1336, 87.3286

Protanomaly

46.2404, 48.5349, 83.2750

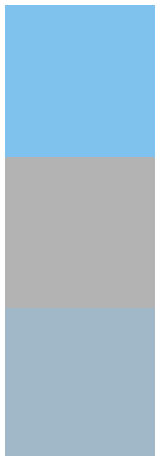
Deuteranomaly

47.0435, 48.5179, 88.5468

Tritanomaly

41.1771, 49.3440, 76.4613

Monochromacy



Original Color

43.1820, 49.1336, 87.3286

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.0630, 45.9247, 61.2910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.1820, 49.1336, 87.3286 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(126, 194, 237)` looks like.

```
.text, #text, p{  
    color:rgb(126, 194, 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(126, 194, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 194, 237) }
```

Border

The CSS property to change the border of an element to XYZ 43.1820, 49.1336, 87.3286 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(126, 194, 237) }
```


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

```
.border{ border-color:rgb(126, 194, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 194, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 194, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 194, 237);  
box-shadow:4px 4px 4px 4px rgb(126, 194,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 43.1820, 49.1336, 87.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 194, 237) }
```

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

```
.background{ background-color: rgb(126,  
194, 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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