

Converting Colors

XYZ(49.5869, 56.2384, 83.4298)

Have a look what the booklet for
XYZ(49.5869, 56.2384, 83.4298)
contains.

XYZ(49.6318, 56.3444, 83.1226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.6318, 56.3444,
83.1226)**

Conversions

Conversions Part 1

Format	Color
Hex	9BCDE6
RGB	155, 205, 230
RGB Percent	61%, 80%, 90%
CMY	0.3921, 0.1961, 0.0980
CMYK	0.33, 0.11, 0.00, 0.10
HSL	200°, 60%, 75%
HSV	200°, 33%, 90%
XYZ	49.6318, 56.3444, 83.1226
YIQ	192.9000, -37.8250, -2.8250

Conversions

Conversions Part 2

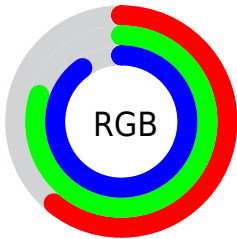
Format	Color
R_{YB}	155, 185, 230
Decimal	10210790
CIE _{Lab}	79.81, -10.34, -17.60
CIE _{LCh}	80, 20.412, 239.572
Yxy	56.3444, 0.2625, 0.2980
Android (android.graphics.Color)	4288400870 (0xFF9BCDE6)
YUV	192.9000, 18.2903, -33.2383
Hunter-Lab	75.0629, -13.3354, -13.1121

Details

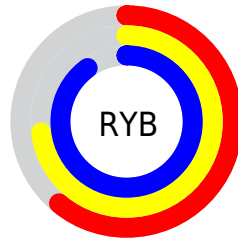
The XYZ color **49.6318, 56.3444, 83.1226** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8716, 51.8326, 38.1244**, and the grayscale version is **50.5431, 53.1753, 57.9079**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **24.0734, 27.9559, 44.1716** is the 20% darker color. If you saturate the color by 10%, you get **43.8423, 50.7051, 82.3402**, and if you desaturate by 10%, it is **56.3553, 62.6013, 83.9769**.

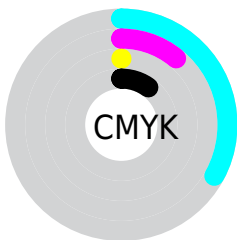
Distribution



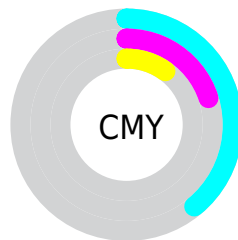
- Red (61%)
- Green (80%)
- Blue (90%)



- Red (61%)
- Yellow (73%)
- Blue (90%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (10%)



- Cyan (39%)
- Magenta (20%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6318, 56.3444, 83.1226 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 49.6318, 56.3444, 83.1226 by changing the saturation by 10% instead.

■ 49.6318, 56.3444,
83.1226

■ 49.6318, 56.3444,
83.1226

375.7001,
410.9881, 525.3767

■ 35.3375, 40.4791,
61.7501

■ 88.8242, 99.5079,
139.5979

■ 24.0907, 27.9123,
44.3963

■ 114.4530,
127.5750, 175.5378

■ 15.5260, 18.2596,
30.6427

144.5907,
160.4781, 217.1706

■ 9.2781, 11.1365,
20.0708

179.6027,
198.6016, 264.9148

■ 4.9816, 6.1587,
12.2619

219.8543,
242.3300, 319.1890

■ 2.2711, 2.9418,
6.7976

265.7108,

■ 0.7798, 1.1014,

292.0476, 380.4117

3.2593

317.5376,
348.1389, 449.0014

■ 0.0000, 0.0000,
1.2285

■ 0.0000, 0.0000,
0.0021

■ 49.6318, 56.3444,
83.1226

■ 49.6318, 56.3444,
83.1226

■ 43.8423, 50.7051,
82.3402

■ 56.3553, 62.6013,
83.9769

■ 38.9326, 45.6495,
81.6232

■ 64.0529, 69.4942,
84.9017

■ 34.8502, 41.1500,
80.9698

■ 72.7687, 77.0491,
85.9005

■ 31.5349, 37.1735,
80.3770

■ 82.5422, 85.2882,
86.9757

■ 28.9172, 33.6823,
79.8411

■ 87.6739, 91.2748,
87.8608

■ 26.9137, 30.6312,
79.3578

■ 90.0205, 95.9679,
88.6430

■ 25.7301, 28.6073,
79.0295

■ 91.2831, 98.4932,
89.0638

Harmonies

Analogous

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



46.9399, 56.3444, 73.2713



49.6318, 56.3444, 83.1226



53.4943, 56.3444, 87.0165

Triad

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



49.6318, 56.3444, 83.1226



61.8932, 56.3444, 61.5196



49.7296, 56.3444, 43.6195

Complementary

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



49.6318, 56.3444, 83.1226



54.8716, 51.8326, 38.1244

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.



53.6130, 56.3444, 41.3024



49.6318, 56.3444, 83.1226



60.7613, 56.3444, 50.7965

Square

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



49.6318, 56.3444, 83.1226



60.6967, 56.3444, 73.6031



57.6769, 56.3444, 43.7550



46.9942, 56.3444, 50.5374

Rectangle

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



49.6318, 56.3444, 83.1226



56.2580, 56.3444, 85.3690



57.6769, 56.3444, 43.7550



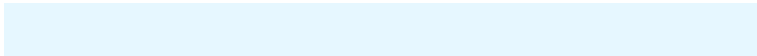
50.9374, 56.3444, 42.3194

Sweetspot

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



49.6335, 56.3466, 83.1239



83.6311, 90.1769, 107.6058



49.9270, 66.8079, 52.7805



17.5798, 19.0209, 22.9948



0.0000, 0.0000, 0.0000



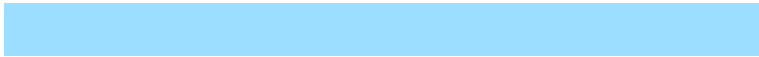
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6335, 56.3466, 83.1239



57.7555, 66.4074, 104.3816



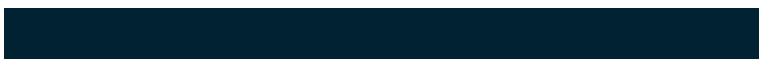
41.9433, 40.9662, 80.5605



14.3815, 15.4845, 18.3751



14.6836, 16.4292, 44.7804



1.1696, 1.3831, 3.3373

Inverse Universe

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



55.3753, 44.6749, 63.4646



66.2182, 50.1522, 75.1940



63.1706, 68.4307, 40.8907



14.7802, 14.5293, 17.0428



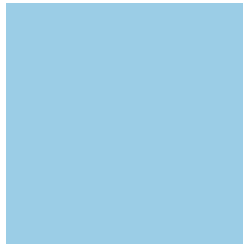
21.8051, 10.8563, 18.4004



1.6540, 0.8193, 1.5844

Previews

White Background



This preview shows how the XYZ color 49.6318, 56.3444, 83.1226 looks on a white background.

Color Contrast Check

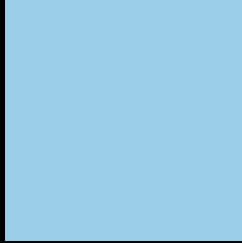
Large Text (above 18pt) WCAG AA × Fail

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 49.6318, 56.3444, 83.1226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

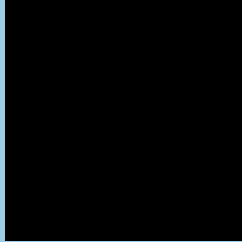
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6318, 56.3444, 83.1226

Background



This preview shows how black text looks on a background with the XYZ color 49.6318, 56.3444, 83.1226.



This preview shows how white text looks on a background with the XYZ color 49.6318, 56.3444,

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

49.6318, 56.3444, 83.1226

Protanopia

55.1868, 56.1991, 78.4599

Deuteranopia

57.3311, 56.1652, 84.9101



Tritanopia

48.5275, 56.2426, 78.1103

Trichromacy



Original Color

49.6318, 56.3444, 83.1226

Protanomaly

52.7413, 55.9215, 79.9657

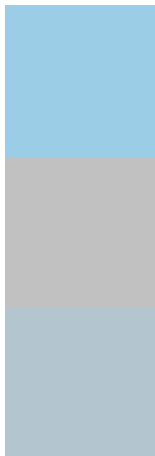
Deuteranomaly

54.0602, 55.8260, 84.2701

Tritanomaly

49.1252, 56.5036, 80.2686

Monochromacy



Original Color

49.6318, 56.3444, 83.1226

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.6972, 53.9724, 66.1909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6318, 56.3444, 83.1226 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(155, 205, 230)` looks like.

```
.text, #text, p{  
    color:rgb(155, 205, 230)  
}
```

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(155, 205, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 205, 230) }
```

Border

The CSS property to change the border of an element to XYZ 49.6318, 56.3444, 83.1226 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(155, 205, 230) }
```


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

```
.border{ border-color:rgb(155, 205, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 205, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 205, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 205, 230);  
box-shadow:4px 4px 4px 4px rgb(155, 205,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6318, 56.3444, 83.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 205, 230) }
```

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

```
.background{ background-color: rgb(155,  
205, 230) }
```

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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