

Converting Colors

XYZ(46.4649, 56.9131, 62.2068)

Have a look what the booklet for
XYZ(46.4649, 56.9131, 62.2068)
contains.

XYZ(46.3765, 56.9427, 61.9728)	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(46.3765, 56.9427,
61.9728)**

Conversions

Conversions Part 1

Format	Color
Hex	99D2C6
RGB	153, 210, 198
RGB Percent	60%, 82%, 78%
CMY	0.4000, 0.1765, 0.2235
CMYK	0.27, 0.00, 0.06, 0.18
HSL	167°, 39%, 71%
HSV	167°, 27%, 82%
XYZ	46.3765, 56.9427, 61.9728
YIQ	191.5890, -30.1200, -15.8160

Conversions

Conversions Part 2

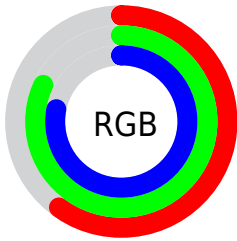
Format	Color
RYB	153, 185, 210
Decimal	10080966
CIELab	80.15, -20.80, 0.03
CIElCh	80, 20.797, 179.931
Yxy	56.9427, 0.2806, 0.3445
Android (android.graphics.Color)	4288271046 (0xFF99D2C6)
YUV	191.5890, 3.1606, -33.8426
Hunter-Lab	75.4604, -22.3530, 4.1296

Details

The XYZ color **46.3765, 56.9427, 61.9728** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7631, 39.2022, 40.8072**, and the grayscale version is **49.8594, 52.4560, 57.1246**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **22.0109, 28.1656, 30.6620** is the 20% darker color. If you saturate the color by 10%, you get **42.2541, 54.8771, 59.1570**, and if you desaturate by 10%, it is **51.2147, 59.3785, 64.9023**.

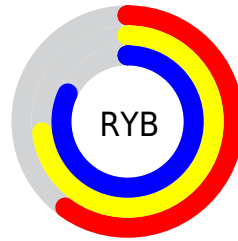
Distribution



Red (60%)

Green (82%)

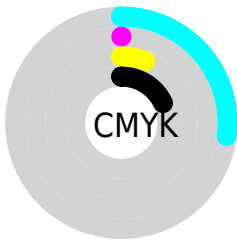
Blue (78%)



Red (60%)

Yellow (73%)

Blue (82%)

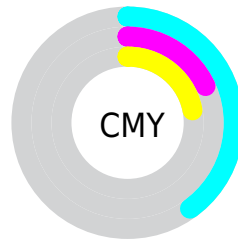


Cyan (27%)

Magenta (0%)

Yellow (6%)

Black (18%)



Cyan (40%)


Magenta (18%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3765, 56.9427, 61.9728 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 46.3765, 56.9427, 61.9728 by changing the saturation by 10% instead.


 46.3765, 56.9427,
61.9728


 46.3765, 56.9427,
61.9728


363.0109,
413.2346, 449.8368

 32.7489, 40.9592,
44.5751


 84.0066, 100.3816,
109.2574

 22.0925, 28.2872,
30.7824


 108.7398,
128.6058, 139.9814

 14.0418, 18.5423,
20.1761


137.9056,
161.6790, 175.9846

 8.2317, 11.3400,
12.3378

171.8694,
199.9857, 217.6854

 4.2966, 6.2960,
6.8488

210.9964,
243.9102, 265.5026

 1.8713, 3.0259,
3.2907

255.6521,

 0.5600, 1.1453,

293.8369, 319.8545

1.2449

306.2018,
350.1502, 381.1597

■ 0.0000, 0.0163,
0.0160

■ 0.0000, 0.0000,
0.0000

■ 46.3765, 56.9427,
61.9728

■ 46.3765, 56.9427,
61.9728

■ 42.2541, 54.8771,
59.1570

■ 51.2147, 59.3785,
64.9023

■ 38.8058, 53.1558,
56.4487

■ 56.7977, 62.1952,
67.9438

■ 35.9932, 51.7605,
53.8465

■ 63.1590, 65.4112,
71.1007

■ 33.7721, 50.6685,
51.3478

■ 70.3285, 69.0422,
74.3751

■ 32.0923, 49.8539,
48.9495

■ 77.2206, 72.5284,
77.7169

■ 30.8952, 49.2864,
46.6482

■ 77.8146, 72.7660,
80.8447

■ 30.1022, 48.9257,
44.4395

■ 78.4242, 73.0098,
84.0549

■ 29.9108, 48.8405,
43.8235

■ 79.0495, 73.2600,
87.3478

■ 79.6907, 73.5165,
90.7242

Harmonies

Analogous

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



47.3728, 56.9427, 51.0287



46.3765, 56.9427, 61.9728



47.3638, 56.9427, 74.3880

Triad

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



46.3765, 56.9427, 61.9728



58.2904, 56.9427, 84.5019



58.3083, 56.9427, 43.9196

Complementary

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



46.3765, 56.9427, 61.9728



44.7631, 39.2022, 40.8072

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.



61.4950, 56.9427, 51.0714



46.3765, 56.9427, 61.9728



61.4843, 56.9427, 74.4430

Square

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



46.3765, 56.9427, 61.9728



54.1125, 56.9427, 88.3857



62.6859, 56.9427, 62.0290



54.1321, 56.9427, 41.4711

Rectangle

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



46.3765, 56.9427, 61.9728



49.0451, 56.9427, 81.6277



62.6859, 56.9427, 62.0290



59.5384, 56.9427, 45.8030

Sweetspot

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



46.3781, 56.9450, 61.9741



87.2550, 96.0606, 104.9654



44.3881, 56.4324, 38.6910



18.3814, 20.4121, 22.3114



0.0000, 0.0000, 0.0000



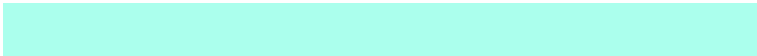
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3781, 56.9450, 61.9741



67.8491, 86.2920, 93.4161



44.0299, 49.9443, 68.2950



12.0473, 13.3627, 14.6055



18.2822, 29.8058, 26.9298



1.0496, 1.6775, 1.6499

Inverse Universe

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



44.7631, 39.2022, 40.8072



64.9132, 53.9846, 54.8980



46.5459, 44.4350, 36.2616



11.9091, 11.8484, 12.7973



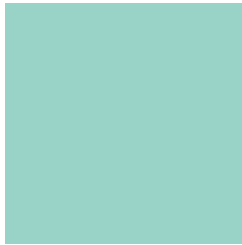
16.5223, 8.4818, 2.3907



0.9536, 0.4861, 0.2903

Previews

White Background



This preview shows how the XYZ color 46.3765, 56.9427, 61.9728 looks on a white background.

Color Contrast Check

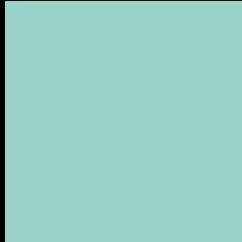
Large Text (above 18pt) WCAG AA × Fail

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 46.3765, 56.9427, 61.9728 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

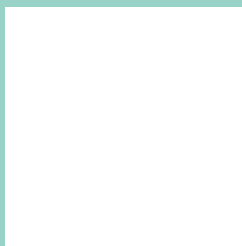
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3765, 56.9427, 61.9728

Background



This preview shows how black text looks on a background with the XYZ color 46.3765, 56.9427, 61.9728.



This preview shows how white text looks on a background with the XYZ color 46.3765, 56.9427,

61.9728.

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

46.3765, 56.9427, 61.9728

Protanopia

53.9988, 56.3906, 57.3286

Deuteranopia

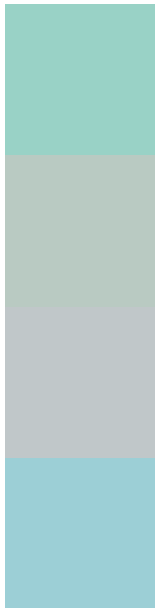
57.5346, 56.4106, 63.7331



Tritanopia

49.4911, 56.7394, 78.1554

Trichromacy



Original Color

46.3765, 56.9427, 61.9728

Protanomaly

50.8657, 56.4504, 59.2540

Deuteranomaly

52.7043, 56.2704, 63.3418

Tritanomaly

48.1607, 56.5486, 71.9950

Monochromacy



Original Color

46.3765, 56.9427, 61.9728

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.5211, 54.2069, 58.9446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3765, 56.9427, 61.9728 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(153, 210, 198)` looks like.

```
.text, #text, p{  
    color:rgb(153, 210, 198)  
}
```

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(153, 210, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 210, 198) }
```

Border

The CSS property to change the border of an element to XYZ 46.3765, 56.9427, 61.9728 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(153, 210, 198) }
```


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

```
.border{ border-color:rgb(153, 210, 198) }
```

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

Here you see how a box with a 4 pixel rgb(153, 210, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 210, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 210, 198);  
box-shadow:4px 4px 4px 4px rgb(153, 210,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3765, 56.9427, 61.9728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 210, 198) }
```

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

```
.background{ background-color: rgb(153,  
210, 198) }
```

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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