

Converting Colors

XYZ(47.0061, 64.3837, 56.9567)

Have a look what the booklet for
XYZ(47.0061, 64.3837, 56.9567)
contains.

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Color

**XYZ(47.0296, 64.3930,
56.9641)**

Conversions

Conversions Part 1

Format	Color
Hex	89E4BB
RGB	137, 228, 187
RGB Percent	54%, 89%, 73%
CMY	0.4627, 0.1059, 0.2667
CMYK	0.40, 0.00, 0.18, 0.11
HSL	153°, 63%, 72%
HSV	153°, 40%, 89%
XYZ	47.0296, 64.3930, 56.9641
YIQ	196.1170, -41.0750, -32.0430

Conversions

Conversions Part 2

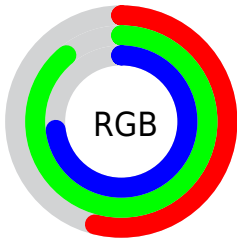
Format	Color
RYB	137, 196, 228
Decimal	9036987
CIELab	84.17, -36.30, 11.55
CIELCh	84, 38.090, 162.346
Yxy	64.3930, 0.2793, 0.3824
Android (android.graphics.Color)	4287227067 (0xFF89E4BB)
YUV	196.1170, -4.4947, -51.8456
Hunter-Lab	80.2452, -35.8151, 14.0832

Details

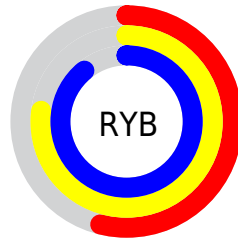
The XYZ color **47.0296, 64.3930, 56.9641** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.9787, 37.6013, 46.7984**, and the grayscale version is **52.5848, 55.3233, 60.2470**.

A 20% lighter version of the original color is **74.1858, 89.4604, 98.1516**, and **22.5353, 33.0201, 27.7400** is the 20% darker color. If you saturate the color by 10%, you get **42.6191, 62.2436, 51.2213**, and if you desaturate by 10%, it is **52.3120, 66.9862, 63.1612**.

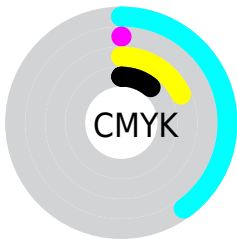
Distribution



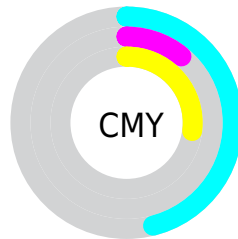
- Red (54%)
- Green (89%)
- Blue (73%)



- Red (54%)
- Yellow (77%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0296, 64.3930, 56.9641 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 47.0296, 64.3930, 56.9641 by changing the saturation by 10% instead.


 47.0296, 64.3930,
56.9641


 47.0296, 64.3930,
56.9641


365.5796,
440.6075, 430.8047


 33.2671, 46.9691,
40.5672


 84.9763, 111.1767,
101.9126

 22.4914, 33.0112,
27.6640


 109.8912,
141.3053, 131.3014

 14.3370, 22.1350,
17.8357


 139.2542,
176.4375, 165.8578

 8.4387, 13.9561,
10.6638

173.4308,
216.9578, 206.0005

 4.4311, 8.0902,
5.7300

212.7863,
263.2506, 252.1481

 1.9488, 4.1527,
2.6155

257.6860,

 0.6049, 1.7593,

315.7002, 304.7189

0.9004

308.4953,
374.6910, 364.1316

0.0000, 0.4616,
0.0000

0.0000, 0.0000,
0.0000

47.0296, 64.3930,
56.9641

47.0296, 64.3930,
56.9641

42.6191, 62.2436,
51.2213

52.3120, 66.9862,
63.1612

39.0235, 60.5036,
45.9176

58.5084, 70.0397,
69.8187

36.1868, 59.1463,
41.0427

65.6645, 73.5784,
76.9482

34.0436, 58.1378,
36.5847

73.8210, 77.6232,
84.5595

■ 32.5160, 57.4385,
32.5302

■ 83.0166, 82.1939,
92.6618

■ 31.4720, 56.9804,
28.8635

■ 86.0274, 83.5662,
100.9247

■ 31.4637, 56.9767,
28.8329

■ 87.0345, 83.9691,
106.2282

Harmonies

Analogous

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



50.9281, 64.3930, 41.1116



47.0296, 64.3930, 56.9641



46.7046, 64.3930, 80.5066

Triad

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



47.0296, 64.3930, 56.9641



64.7326, 64.3930, 125.8952



73.9731, 64.3930, 43.2771

Complementary

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



47.0296, 64.3930, 56.9641



48.9787, 37.6013, 46.7984

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.



78.4300, 64.3930, 60.6548



47.0296, 64.3930, 56.9641



72.7759, 64.3930, 110.2924

Square

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



47.0296, 64.3930, 56.9641



56.4214, 64.3930, 124.2594



77.9727, 64.3930, 85.1440



66.2487, 64.3930, 34.5472

Rectangle

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



47.0296, 64.3930, 56.9641



48.5135, 64.3930, 97.9768



77.9727, 64.3930, 85.1440



75.9336, 64.3930, 48.1067

Sweetspot

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



47.0314, 64.3956, 56.9656



82.5336, 93.7949, 97.1400



50.9593, 66.9351, 33.9019



17.3984, 19.9437, 20.5297



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.



47.0314, 64.3956, 56.9656



55.7777, 80.6372, 67.1768



51.2385, 64.7549, 83.2002



14.5190, 16.2210, 16.9979



18.2282, 32.9234, 16.9677



1.3937, 2.4516, 1.4997

Inverse Universe

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



48.9787, 37.6013, 46.7984



58.6230, 41.5458, 52.3648



45.8951, 37.0676, 28.4037



14.6456, 14.4754, 16.3340



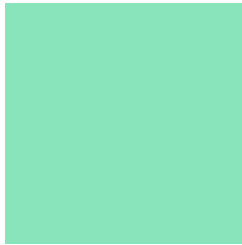
19.9388, 10.1097, 8.5727



1.5197, 0.7656, 0.8772

Previews

White Background



This preview shows how the XYZ color 47.0296, 64.3930, 56.9641 looks on a white background.

Color Contrast Check

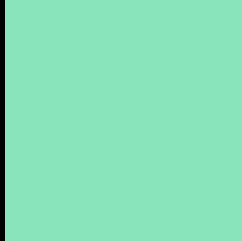
Large Text (above 18pt) WCAG AA × Fail

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 47.0296, 64.3930, 56.9641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

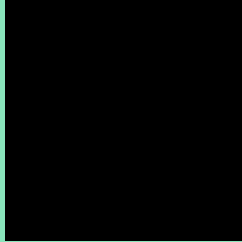
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0296, 64.3930, 56.9641

Background



This preview shows how black text looks on a background with the XYZ color 47.0296, 64.3930, 56.9641.



This preview shows how white text looks on a background with the XYZ color 47.0296, 64.3930,

56.9641.

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

47.0296, 64.3930, 56.9641

Protanopia

60.0069, 63.5017, 50.6893

Deuteranopia

65.0071, 63.7535, 59.3315



Tritanopia

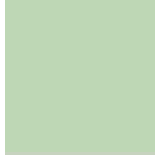
53.8309, 64.3345, 91.2420

Trichromacy



Original Color

47.0296, 64.3930, 56.9641



Protanomaly

53.8761, 62.8842, 53.0144



Deuteranomaly

56.2514, 62.4922, 58.3877



Tritanomaly

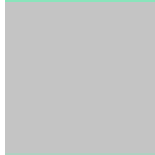
51.2510, 64.4984, 77.4584

Monochromacy



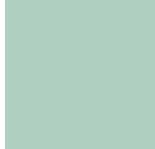
Original Color

47.0296, 64.3930, 56.9641



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.8607, 58.0760, 59.0339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0296, 64.3930, 56.9641 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, 228, 187)` looks like.

```
.text, #text, p{  
    color:rgb(137, 228, 187)  
}
```

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, 228, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 228, 187) }
```

Border

The CSS property to change the border of an element to XYZ 47.0296, 64.3930, 56.9641 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, 228, 187) }
```


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

```
.border{ border-color:rgb(137, 228, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 228, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 228, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 228, 187); box-shadow:4px 4px 4px 4px rgb(137, 228, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0296, 64.3930, 56.9641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 228, 187) }
```

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

```
.background{ background-color: rgb(137,  
228, 187) }
```

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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