

Converting Colors

XYZ(46.1289, 53.1803, 69.1991)

Have a look what the booklet for
XYZ(46.1289, 53.1803, 69.1991)
contains.

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Color

**XYZ(46.1224, 53.0796,
69.4425)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC8D3
RGB	156, 200, 211
RGB Percent	61%, 78%, 83%
CMY	0.3882, 0.2157, 0.1725
CMYK	0.26, 0.05, 0.00, 0.17
HSL	192°, 38%, 72%
HSV	192°, 26%, 83%
XYZ	46.1224, 53.0796, 69.4425
YIQ	188.0980, -29.7550, -5.9070

Conversions

Conversions Part 2

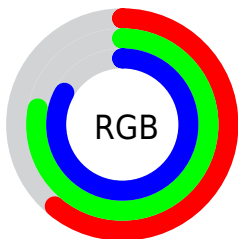
Format	Color
R _{YB}	156, 180, 211
Decimal	10275027
CIE _{Lab}	77.92, -11.92, -10.22
CIE _{LCh}	78, 15.705, 220.598
Y _{xy}	53.0796, 0.2735, 0.3147
Android (android.graphics.Color)	4288465107 (0xFF9CC8D3)
Y _{UV}	188.0980, 11.2907, -28.1499
Hunter-Lab	72.8557, -14.4955, -5.5133

Details

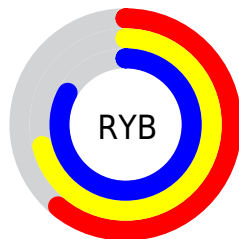
The XYZ color **46.1224, 53.0796, 69.4425** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6840, 43.8868, 37.4640**, and the grayscale version is **47.8068, 50.2965, 54.7729**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **21.9582, 25.8757, 35.7355** is the 20% darker color. If you saturate the color by 10%, you get **41.4254, 49.2288, 68.9477**, and if you desaturate by 10%, it is **51.5588, 57.3542, 69.9819**.

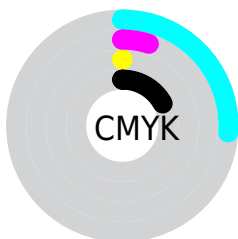
Distribution



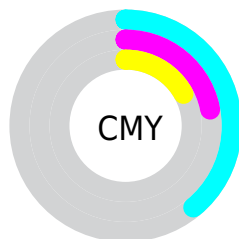
- Red (61%)
- Green (78%)
- Blue (83%)



- Red (61%)
- Yellow (71%)
- Blue (83%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)





- Cyan (39%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1224, 53.0796, 69.4425 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 46.1224, 53.0796, 69.4425 by changing the saturation by 10% instead.


 46.1224, 53.0796,
69.4425


 46.1224, 53.0796,
69.4425


362.0082,
398.5904, 477.3262

 32.5475, 37.8663,
50.5982


 83.6289, 94.7215,
120.0870

 21.9376, 25.8790,
35.5144


 108.2911,
121.9189, 152.7243

 13.9274, 16.7331,
23.7727


137.3799,
153.8798, 190.7963

 8.1515, 10.0444,
14.9544

171.2605,
190.9886, 234.7216

 4.2447, 5.4284,
8.6412

210.2982,
233.6296, 284.9187

 1.8415, 2.5007,
4.4143

254.8585,

 0.5425, 0.8770,

282.1874, 341.8061

1.8553

305.3067,
337.0462, 405.8025

■ 0.0000, 0.0000,
0.4640

■ 0.0000, 0.0000,
0.0000

■ 46.1224, 53.0796,
69.4425

■ 46.1224, 53.0796,
69.4425

■ 41.4254, 49.2288,
68.9477

■ 51.5588, 57.3542,
69.9819

■ 37.4262, 45.7762,
68.4920

■ 57.7640, 62.0642,
70.5640

■ 34.0861, 42.7027,
68.0748

■ 64.7718, 67.2286,
71.1915

■ 31.3607, 39.9853,
67.6939

■ 72.6122, 72.8631,
71.8658

■ 29.2000, 37.5976,
67.3470

■ 78.8808, 77.7287,
72.4746

■ 27.5457, 35.5094,
67.0311

■ 80.0095, 79.9861,
72.8508

■ 26.3250, 33.6828,
66.7429

■ 81.1664, 82.2999,
73.2364

■ 25.9107, 33.0086,
66.6346

■ 82.3517, 84.6705,
73.6315

■ 83.5656, 87.0983,
74.0362

Harmonies

Analogous

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



44.8965, 53.0796, 60.9428



46.1224, 53.0796, 69.4425



48.5251, 53.0796, 75.1504

Triad

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



46.1224, 53.0796, 69.4425



56.1938, 53.0796, 63.5626



49.3784, 53.0796, 42.7916

Complementary

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



46.1224, 53.0796, 69.4425



46.6840, 43.8868, 37.4640

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.



52.4263, 53.0796, 43.3407



46.1224, 53.0796, 69.4425



56.4448, 53.0796, 54.7568

Square

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



46.1224, 53.0796, 69.4425



54.3687, 53.0796, 71.5259



55.0414, 53.0796, 47.5281



46.7253, 53.0796, 45.9439

Rectangle

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



46.1224, 53.0796, 69.4425



50.5119, 53.0796, 76.2927



55.0414, 53.0796, 47.5281



50.3893, 53.0796, 42.5580

Sweetspot

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



46.1240, 53.0817, 69.4437



86.6515, 93.7591, 108.1380



43.8961, 56.4137, 44.6929



18.2282, 19.8280, 23.1164



0.0000, 0.0000, 0.0000



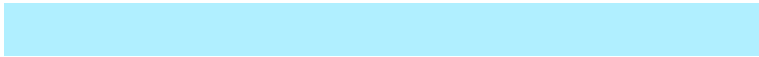
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1240, 53.0817, 69.4437



66.8663, 78.2906, 106.1951



40.4928, 41.8193, 67.5666



11.9492, 12.9887, 15.1209



15.7107, 20.0680, 40.2380



0.9307, 1.2266, 2.2673

Inverse Universe

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



49.1790, 41.7971, 60.1216



72.3641, 58.5345, 89.2955



52.0649, 54.6486, 39.2576



12.2053, 11.9668, 14.3567



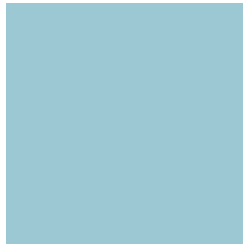
20.5608, 10.0971, 23.6569



1.1760, 0.5751, 1.4617

Previews

White Background



This preview shows how the XYZ color 46.1224, 53.0796, 69.4425 looks on a white background.

Color Contrast Check

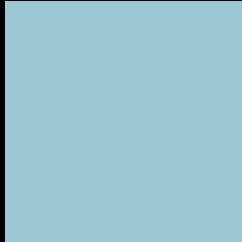
Large Text (above 18pt) WCAG AA × Fail

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 46.1224, 53.0796, 69.4425 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 46.1224, 53.0796, 69.4425

Background



This preview shows how black text looks on a background with the XYZ color 46.1224, 53.0796, 69.4425.

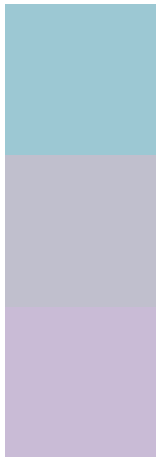


This preview shows how white text looks on a background with the XYZ color 46.1224, 53.0796,

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

46.1224, 53.0796, 69.4425

Protanopia

51.3885, 52.8758, 65.2552

Deuteranopia

53.9953, 52.8132, 70.9664



Tritanopia

46.5938, 52.9212, 72.0490

Trichromacy



Original Color

46.1224, 53.0796, 69.4425

Protanomaly

49.1447, 52.6723, 66.6080

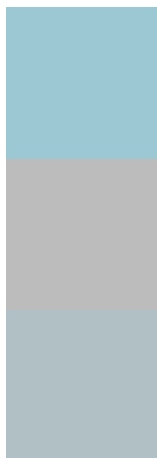
Deuteranomaly

50.8675, 52.8177, 70.4646

Tritanomaly

46.4657, 52.8700, 71.3743

Monochromacy



Original Color

46.1224, 53.0796, 69.4425

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.7179, 50.9149, 59.5898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1224, 53.0796, 69.4425 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(156, 200, 211)` looks like.

```
.text, #text, p{  
    color:rgb(156, 200, 211)  
}
```

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(156, 200, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 200, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.1224, 53.0796, 69.4425 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(156, 200, 211) }
```


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

```
.border{ border-color:rgb(156, 200, 211) }
```

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

Here you see how a box with a 4 pixel rgb(156, 200, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 200, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 200, 211);  
box-shadow:4px 4px 4px 4px rgb(156, 200,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1224, 53.0796, 69.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 200, 211) }
```

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

```
.background{ background-color: rgb(156,  
200, 211) }
```

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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