

Converting Colors

XYZ(46.6660, 51.8728, 53.6444)

Have a look what the booklet for
XYZ(46.6660, 51.8728, 53.6444)
contains.

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Color

**XYZ(46.6322, 51.9980,
53.4778)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C3B9
RGB	178, 195, 185
RGB Percent	70%, 76%, 73%
CMY	0.3020, 0.2353, 0.2745
CMYK	0.09, 0.00, 0.05, 0.24
HSL	145°, 12%, 73%
HSV	145°, 9%, 76%
XYZ	46.6322, 51.9980, 53.4778
YIQ	188.7770, -6.9220, -6.7140

Conversions

Conversions Part 2

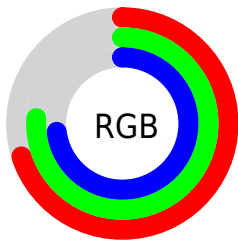
Format	Color
RYB	178, 190, 195
Decimal	11715513
CIELab	77.28, -7.71, 3.03
CIELCh	77, 8.287, 158.561
Yxy	51.9980, 0.3066, 0.3418
Android (android.graphics.Color)	4289905593 (0xFFB2C3B9)
YUV	188.7770, -1.8621, -9.4514
Hunter-Lab	72.1096, -10.7586, 6.5062

Details

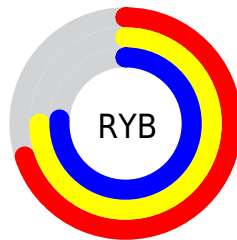
The XYZ color **46.6322, 51.9980, 53.4778** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.5051, 47.0751, 54.1621**, and the grayscale version is **48.2567, 50.7698, 55.2884**.

A 20% lighter version of the original color is **84.6193, 93.4641, 96.7996**, and **22.1472, 25.0757, 25.5026** is the 20% darker color. If you saturate the color by 10%, you get **41.3096, 49.3899, 47.1601**, and if you desaturate by 10%, it is **52.6916, 54.9775, 60.3423**.

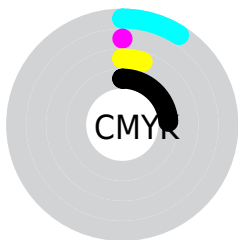
Distribution



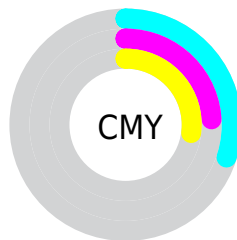
- Red (70%)
- Green (76%)
- Blue (73%)



- Red (70%)
- Yellow (75%)
- Blue (76%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)



- Cyan (30%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6322, 51.9980, 53.4778 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 46.6322, 51.9980, 53.4778 by changing the saturation by 10% instead.

■ 46.6322, 51.9980,
53.4778

■ 46.6322, 51.9980,
53.4778

364.0180,
394.4289, 417.2337

■ 32.9517, 37.0035,
37.7940

■ 84.3864, 93.1283,
96.7557

■ 22.2485, 25.2102,
25.5223

109.1909,
120.0329, 125.1869

■ 14.1572, 16.2337,
16.2440

138.4341,
151.6762, 158.7044

■ 8.3125, 9.6897,
9.5408

172.4813,
188.4428, 197.7266

■ 4.3491, 5.1937,
4.9940

211.6980,
230.7169, 242.6721

■ 1.9014, 2.3614,
2.1850

256.4494,

■ 0.5777, 0.8059,

278.8831, 293.9594

0.6657

307.1009,
333.3256, 352.0071

■ 0.0000, 0.0000,
0.0000

■ 46.6322, 51.9980,
53.4778

■ 46.6322, 51.9980,
53.4778

■ 41.3096, 49.3899,
47.1601

■ 52.6916, 54.9775,
60.3423

■ 36.6903, 47.1319,
41.3725

■ 59.5106, 58.3357,
67.7631

■ 32.7449, 45.2105,
36.1023

■ 67.1167, 62.0878,
75.7536

■ 29.4400, 43.6089,
31.3349

■ 75.1645, 66.0555,
84.3087

■ 26.7393, 42.3086,
27.0552

■ 76.8377, 66.7248,
93.1198

■ 24.6027, 41.2891,
23.2471

■ 78.6191, 67.4374,
102.5006

■ 22.9847, 40.5276,
19.8939

■ 78.8061, 67.5122,
103.4854

■ 21.8326, 39.9970,
16.9774

■ 21.0609, 39.6537,
14.4770

Harmonies

Analogous

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



47.5420, 51.9980, 50.0453



46.6322, 51.9980, 53.4778



46.4617, 51.9980, 57.9298

Triad

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



46.6322, 51.9980, 53.4778



49.8789, 51.9980, 65.7202



51.8509, 51.9980, 51.3347

Complementary

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



46.6322, 51.9980, 53.4778



47.5051, 47.0751, 54.1621

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.



52.5065, 51.9980, 55.3241



46.6322, 51.9980, 53.4778



51.3521, 51.9980, 63.7402

Square

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



46.6322, 51.9980, 53.4778



48.3139, 51.9980, 65.1606



52.3220, 51.9980, 59.8767



50.5480, 51.9980, 48.8549

Rectangle

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



46.6322, 51.9980, 53.4778



46.7867, 51.9980, 60.9053



52.3220, 51.9980, 59.8767



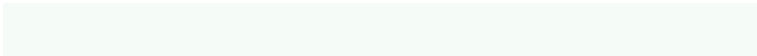
52.1556, 51.9980, 52.5349

Sweetspot

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



46.6337, 52.0002, 53.4789



89.5074, 96.0710, 102.6284



48.3413, 52.9638, 49.7954



19.4067, 20.9430, 22.2544



0.0000, 0.0000, 0.0000



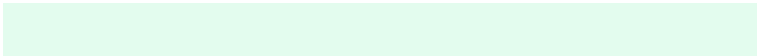
20.3446, 21.4041, 23.3091

Same Dimension

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



46.6337, 52.0002, 53.4789



82.0688, 92.4175, 94.0926



47.5362, 52.3612, 58.2315



10.1125, 11.3261, 11.5958



13.6712, 25.7626, 9.4278



0.6249, 1.1268, 0.5876

Inverse Universe

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



47.5051, 47.0751, 54.1621



83.8688, 82.2442, 95.5035



46.6354, 46.7272, 49.5822



10.3162, 10.1751, 11.7555



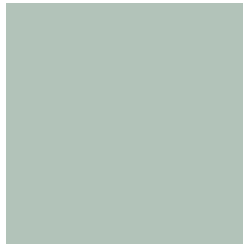
16.6709, 8.3581, 11.4451



0.7539, 0.3746, 0.6714

Previews

White Background



This preview shows how the XYZ color 46.6322, 51.9980, 53.4778 looks on a white background.

Color Contrast Check

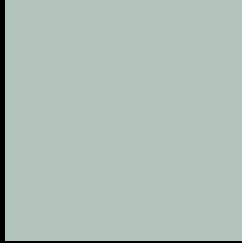
Large Text (above 18pt) WCAG AA × Fail

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 46.6322, 51.9980, 53.4778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

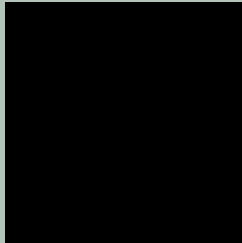
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

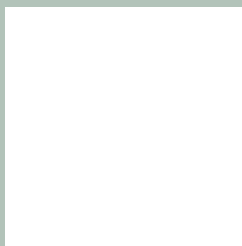
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6322, 51.9980, 53.4778

Background



This preview shows how black text looks on a background with the XYZ color 46.6322, 51.9980, 53.4778.



This preview shows how white text looks on a background with the XYZ color 46.6322, 51.9980,

53.4778.

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

46.6322, 51.9980, 53.4778

Protanopia

49.6219, 51.9401, 51.6661

Deuteranopia

52.6885, 51.5705, 54.1908



Tritanopia

49.4035, 52.1494, 66.4935

Trichromacy



Original Color

46.6322, 51.9980, 53.4778

Protanomaly

48.3831, 51.9370, 52.2745

Deuteranomaly

50.1348, 51.5174, 53.7558

Tritanomaly

48.4348, 52.0872, 61.5339

Monochromacy



Original Color

46.6322, 51.9980, 53.4778

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.7155, 51.2067, 54.9460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6322, 51.9980, 53.4778 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(178, 195, 185)` looks like.

```
.text, #text, p{  
    color:rgb(178, 195, 185)  
}
```

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(178, 195, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 195, 185) }
```

Border

The CSS property to change the border of an element to XYZ 46.6322, 51.9980, 53.4778 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(178, 195, 185) }
```


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

```
.border{ border-color:rgb(178, 195, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 195, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 195, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 195, 185);  
box-shadow:4px 4px 4px 4px rgb(178, 195,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6322, 51.9980, 53.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 195, 185) }
```

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

```
.background{ background-color: rgb(178,  
195, 185) }
```

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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