

# Converting Colors

XYZ(40.6970, 53.6226, 62.8488)

Have a look what the booklet for  
XYZ(40.6970, 53.6226, 62.8488)  
contains.

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# Color

**XYZ(40.6970, 53.6226,  
62.8488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76D1C8
RGB	118, 209, 200
RGB Percent	46%, 82%, 78%
CMY	0.5372, 0.1804, 0.2157
CMYK	0.44, 0.00, 0.04, 0.18
HSL	174°, 50%, 64%
HSV	174°, 44%, 82%
XYZ	40.6970, 53.6226, 62.8488
YIQ	180.7650, -51.3470, -22.0910

# Conversions

## Conversions Part 2

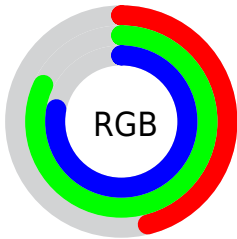
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 166, 209
Decimal	7786952
CIELab	78.24, -29.35, -4.04
CIELCh	78, 29.630, 187.834
Yxy	53.6226, 0.2589, 0.3412
Android (android.graphics.Color)	4285977032 (0xFF76D1C8)
YUV	180.7650, 9.4829, -55.0449
Hunter-Lab	73.2275, -28.9446, 0.3725

# Details

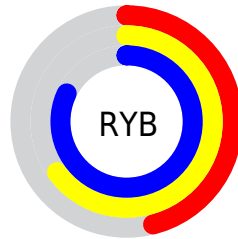
The XYZ color **40.6970, 53.6226, 62.8488** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.6055, 28.0460, 23.5648**, and the grayscale version is **43.7657, 46.0449, 50.1429**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **18.6074, 26.1472, 31.2603** is the 20% darker color. If you saturate the color by 10%, you get **37.9276, 52.2239, 61.4674**, and if you desaturate by 10%, it is **44.1016, 55.3510, 64.2794**.

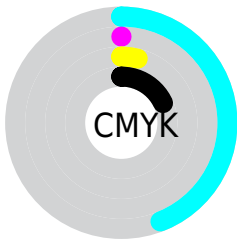
# Distribution



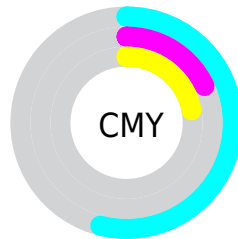
- Red (46%)
- Green (82%)
- Blue (78%)



- Red (46%)
- Yellow (65%)
- Blue (82%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (18%)




- Cyan (54%)
- Magenta (18%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6970, 53.6226, 62.8488 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 40.6970, 53.6226, 62.8488 by changing the saturation by 10% instead.





 40.6970, 53.6226,  
62.8488


 40.6970, 53.6226,  
62.8488


340.1369,  
400.6692, 453.1134

 28.2690, 38.3000,  
45.2787


 75.5013, 95.5199,  
110.5348

 18.6700, 26.2156,  
31.3324


 98.6084, 122.8634,  
141.4878

 11.5347, 16.9850,  
20.5915


 126.0059,  
154.9827, 177.7388

 6.4976, 10.2238,  
12.6374

158.0591,  
192.2621, 219.7064

 3.1935, 5.5476,  
7.0516

195.1335,  
235.0861, 267.8091

 1.2569, 2.5720,  
3.4154

237.5943,

 0.1506, 0.9126,

283.8390, 322.4655

1.3105

285.8070,  
338.9052, 384.0941

■ 0.0000, 0.0000,  
0.0704

■ 0.0000, 0.0000,  
0.0000

■ 40.6970, 53.6226,  
62.8488

■ 40.6970, 53.6226,  
62.8488

■ 37.9276, 52.2239,  
61.4674

■ 44.1016, 55.3510,  
64.2794

■ 35.7466, 51.1270,  
60.1293


■ 48.1750, 57.4223,  
65.7572

■ 34.1085, 50.3095,  
58.8335

■ 52.9536, 59.8570,  
67.2852


■ 32.9590, 49.7435,  
57.5775


■ 58.4704, 62.6717,  
68.8651

 32.2324, 49.3951,  
56.3581


 64.7558, 65.8823,  
70.4982

 31.9139, 49.2477,  
55.5863

 71.8388, 69.5037,  
72.1860

 76.2396, 71.7420,  
73.7658

 76.5062, 71.8487,  
75.1696

 76.7762, 71.9566,  
76.5911

# Harmonies

## Analogous

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



41.3200, 53.6226, 47.1450



40.6970, 53.6226, 62.8488



42.6559, 53.6226, 80.2511

# Triad

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



40.6970, 53.6226, 62.8488



58.1183, 53.6226, 87.4204



55.2914, 53.6226, 33.5196

# Complementary

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



40.6970, 53.6226, 62.8488



36.6055, 28.0460, 23.5648

# 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.



60.2923, 53.6226, 40.9036



40.6970, 53.6226, 62.8488



62.0088, 53.6226, 71.2851

# Square

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



40.6970, 53.6226, 62.8488



52.5021, 53.6226, 96.0897



62.8332, 53.6226, 54.1394



49.4615, 53.6226, 32.1150



# Rectangle

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



40.6970, 53.6226, 62.8488



45.2567, 53.6226, 89.8131



62.8332, 53.6226, 54.1394



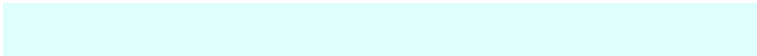
57.1377, 53.6226, 35.3064

# Sweetspot

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



40.6986, 53.6247, 62.8500



83.3647, 94.0365, 105.6206



34.8394, 51.4308, 25.2316



17.4621, 19.9332, 22.4910



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.



40.6986, 53.6247, 62.8500



59.8522, 82.0906, 96.6025



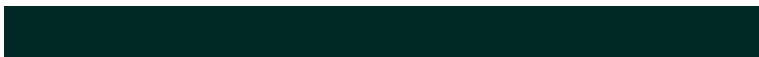
33.8485, 38.1908, 65.9115



12.1059, 13.3861, 14.9138



19.6970, 30.3717, 34.3803



1.1163, 1.7042, 2.0010



# Inverse Universe

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



36.6055, 28.0460, 23.5648



52.6585, 37.0414, 27.4874



41.1881, 38.1086, 22.3255



11.8556, 11.8270, 12.5153



16.3109, 8.3972, 1.2772

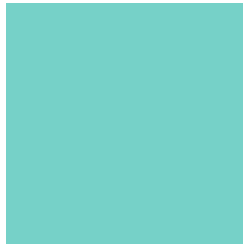


0.9286, 0.4762, 0.1589



# Previews

## White Background



This preview shows how the XYZ color 40.6970, 53.6226, 62.8488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

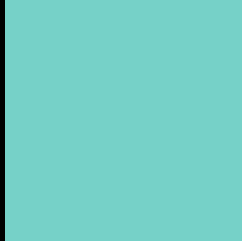
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.6970, 53.6226, 62.8488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

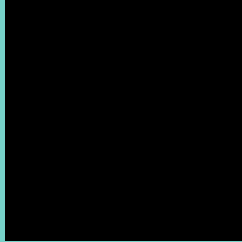
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

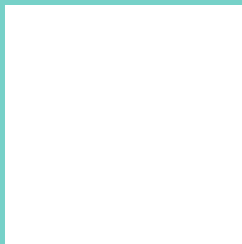
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.6970, 53.6226, 62.8488**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.6970, 53.6226, 62.8488.



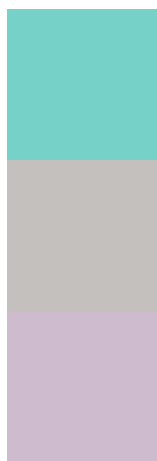
This preview shows how white text looks on a background with the XYZ color 40.6970, 53.6226,



# 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

40.6970, 53.6226, 62.8488

### Protanopia

50.9089, 53.1527, 56.2915

### Deuteranopia

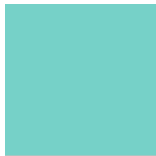
54.2434, 53.0702, 65.1423



## Tritanopia

43.5683, 53.7016, 77.1764

# Trichromacy



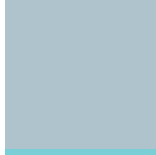
## Original Color

40.6970, 53.6226, 62.8488



## Protanomaly

46.0801, 52.6080, 58.7646



## Deuteranomaly

47.7502, 52.3407, 64.0860



## Tritanomaly

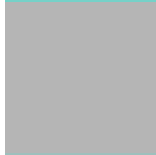
42.4765, 53.6183, 71.7289

# Monochromacy



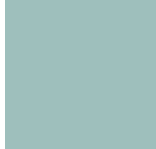
## Original Color

40.6970, 53.6226, 62.8488



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

41.8085, 48.1615, 54.6695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6970, 53.6226, 62.8488 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(118, 209, 200)` looks like.

```
.text, #text, p{  
    color:rgb(118, 209, 200)  
}
```

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(118, 209, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 209, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6970, 53.6226, 62.8488 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(118, 209, 200) }
```



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

```
.border{ border-color:rgb(118, 209, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 209, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 209, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 209, 200);  
box-shadow:4px 4px 4px 4px rgb(118, 209,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6970, 53.6226, 62.8488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 209, 200) }
```

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

```
.background{ background-color: rgb(118,  
209, 200) }
```

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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