

# Converting Colors

XYZ(40.2692, 52.3622, 79.1908)

Have a look what the booklet for  
XYZ(40.2692, 52.3622, 79.1908)  
contains.

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# Color

**XYZ(40.2178, 52.2860,  
79.2067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BCFE1
RGB	91, 207, 225
RGB Percent	36%, 81%, 88%
CMY	0.6431, 0.1882, 0.1176
CMYK	0.60, 0.08, 0.00, 0.12
HSL	188°, 69%, 62%
HSV	188°, 60%, 88%
XYZ	40.2178, 52.2860, 79.2067
YIQ	174.3680, -74.9140, -18.9940

# Conversions

## Conversions Part 2

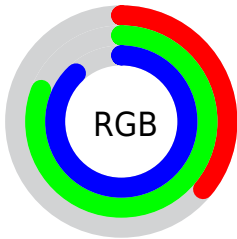
Format	Color
<a href="#">RYB</a>	<a href="#">91, 153, 225</a>
Decimal	<a href="#">6016993</a>
CIELab	<a href="#">77.45, -27.44, -18.75</a>
CIELCh	<a href="#">77, 33.230, 214.348</a>
Yxy	<a href="#">52.2860, 0.2342, 0.3045</a>
Android (android.graphics.Color)	<a href="#">4284207073</a> ( <a href="#">0xFF5BCFE1</a> )
YUV	<a href="#">174.3680, 24.9616, -73.1137</a>
Hunter-Lab	<a href="#">72.3091, -27.2604, -14.3294</a>

# Details

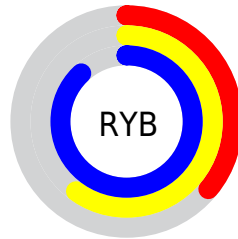
The XYZ color **40.2178, 52.2860, 79.2067** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **38.4096, 27.7016, 13.2216**, and the grayscale version is **40.3262, 42.4263, 46.2022**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **18.4839, 25.3588, 41.9507** is the 20% darker color. If you saturate the color by 10%, you get **37.5985, 49.8602, 78.8775**, and if you desaturate by 10%, it is **43.5191, 55.0865, 79.5742**.

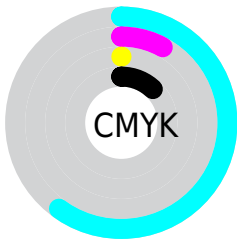
# Distribution



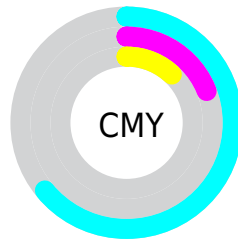
- Red (36%)
- Green (81%)
- Blue (88%)



- Red (36%)
- Yellow (60%)
- Blue (88%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)



- Cyan (64%)
- Magenta (19%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2178, 52.2860, 79.2067 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 40.2178, 52.2860, 79.2067 by changing the saturation by 10% instead.



40.2178, 52.2860,  
79.2067

40.2178, 52.2860,  
79.2067

338.1594,  
395.5397, 511.8914

27.8934, 37.2331,  
58.5434

74.7773, 93.5529,  
134.0511

18.3853, 25.3880,  
41.8281

97.7431, 120.5357,  
169.0694

11.3284, 16.3664,  
28.6422

124.9867,  
152.2638, 209.7097

6.3571, 9.7838,  
18.5670

156.8734,  
189.1218, 256.3906

3.1061, 5.2558,  
11.1842

193.7687,  
231.4940, 309.5307

1.2101, 2.3981,  
6.0752

236.0379,

0.1143, 0.8249,

279.7648, 369.5485

2.8213

284.0464,  
334.3186, 436.8626

■ 0.0000, 0.0000,  
1.0041

■ 0.0000, 0.0000,  
0.0000

■ 40.2178, 52.2860,  
79.2067

■ 40.2178, 52.2860,  
79.2067

■ 37.5985, 49.8602,  
78.8775

■ 43.5191, 55.0865,  
79.5742

■ 35.5948, 47.7713,  
78.5799


■ 47.5515, 58.2836,  
79.9788


■ 34.1354, 45.9836,  
78.3118

■ 52.3651, 61.9045,  
80.4240


■ 33.0993, 44.4345,  
78.0674


■ 58.0041, 65.9721,  
80.9119


 33.0564, 44.3675,  
78.0567

 64.5095, 70.5075,  
81.4445

 71.9194, 75.5306,  
82.0235

 80.2696, 81.0600,  
82.6506

 83.4574, 83.9496,  
83.0404

 84.3115, 85.6578,  
83.3251

# Harmonies

## Analogous

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



38.4137, 52.2860, 59.6431



40.2178, 52.2860, 79.2067



44.5599, 52.2860, 94.9514

# Triad

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



40.2178, 52.2860, 79.2067



61.6280, 52.2860, 73.5808



48.7696, 52.2860, 28.5359

# Complementary

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



40.2178, 52.2860, 79.2067



38.4096, 27.7016, 13.2216

# 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.



55.2129, 52.2860, 30.7158



40.2178, 52.2860, 79.2067



62.9964, 52.2860, 54.3015

# Square

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



40.2178, 52.2860, 79.2067



56.9637, 52.2860, 91.2448



60.5580, 52.2860, 39.2796



43.0749, 52.2860, 32.5199

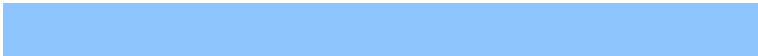


# Rectangle

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



40.2178, 52.2860, 79.2067



48.4948, 52.2860, 99.6690



60.5580, 52.2860, 39.2796



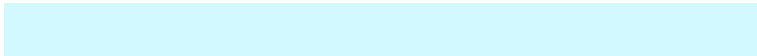
50.9174, 52.2860, 28.5800

# Sweetspot

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



40.2194, 52.2880, 79.2080



78.1974, 88.4391, 107.5568



33.9941, 57.1771, 23.6767



16.2325, 18.5717, 22.9791



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

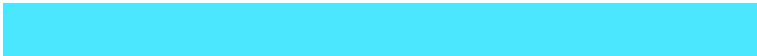


# Same Dimension

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



40.2194, 52.2880, 79.2080



49.3569, 65.6474, 104.6776



27.3042, 26.4574, 74.9029



13.9514, 15.2418, 17.5943



19.1112, 25.6919, 45.0001



1.3688, 1.8690, 3.1338



# Inverse Universe

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



46.0563, 27.9963, 62.0098



58.0642, 31.9024, 78.4629



48.4403, 47.7630, 16.5652



14.2117, 13.9023, 16.8848



23.5866, 11.5017, 30.8186

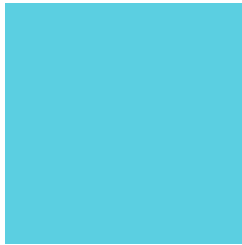


1.6571, 0.8061, 2.2533



# Previews

## White Background



This preview shows how the XYZ color 40.2178, 52.2860, 79.2067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

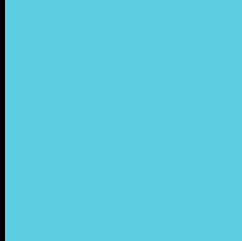
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.2178, 52.2860, 79.2067 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

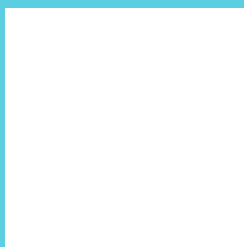
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.2178, 52.2860, 79.2067**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2178, 52.2860, 79.2067.



This preview shows how white text looks on a background with the XYZ color 40.2178, 52.2860,



# 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

40.2178, 52.2860, 79.2067

### Protanopia

50.7014, 51.7641, 70.2700

### Deuteranopia

52.8281, 51.6498, 82.0480



## Tritanopia

40.0818, 52.2316, 78.4902

# Trichromacy



## Original Color

40.2178, 52.2860, 79.2067



## Protanomaly

45.2132, 51.1650, 73.1385



## Deuteranomaly

46.4322, 50.9573, 80.7873



## Tritanomaly

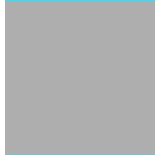
40.0818, 52.2316, 78.4902

# Monochromacy



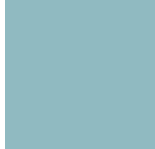
## Original Color

40.2178, 52.2860, 79.2067



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

38.6861, 44.8974, 57.0792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2178, 52.2860, 79.2067 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(91, 207, 225)` looks like.

```
.text, #text, p{  
    color:rgb(91, 207, 225)  
}
```

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(91, 207, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 207, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2178, 52.2860, 79.2067 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(91, 207, 225) }
```



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

```
.border{ border-color:rgb(91, 207, 225) }
```

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

Here you see how a box with a 4 pixel rgb(91, 207, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 207, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 207, 225);  
box-shadow:4px 4px 4px 4px rgb(91, 207,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2178, 52.2860, 79.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 207, 225) }
```

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

```
.background{ background-color: rgb(91, 207,  
225) }
```

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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