

Converting Colors

XYZ(28.1073, 41.9955, 36.9361)

Have a look what the booklet for
XYZ(28.1073, 41.9955, 36.9361)
contains.

XYZ(28.1280, 42.1453, 36.7894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.1280, 42.1453,
36.7894)**

Conversions

Conversions Part 1

Format	Color
Hex	50C199
RGB	80, 193, 153
RGB Percent	31%, 76%, 60%
CMY	0.6863, 0.2431, 0.4000
CMYK	0.59, 0.00, 0.21, 0.24
HSL	159°, 48%, 54%
HSV	159°, 59%, 76%
XYZ	28.1280, 42.1453, 36.7894
YIQ	154.6530, -54.5080, -36.3960

Conversions

Conversions Part 2

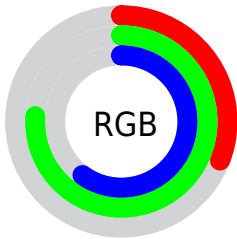
Format	Color
RYB	80, 149, 193
Decimal	5292441
CIELab	70.97, -41.68, 10.65
CIELCh	71, 43.015, 165.665
Yxy	42.1453, 0.2627, 0.3937
Android (android.graphics.Color)	4283482521 (0xFF50C199)
YUV	154.6530, -0.8149, -65.4707
Hunter-Lab	64.9194, -36.2693, 11.8443

Details

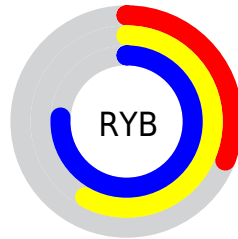
The XYZ color **28.1280, 42.1453, 36.7894** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **28.2525, 18.4319, 19.8395**, and the grayscale version is **31.0241, 32.6398, 35.5448**.

A 20% lighter version of the original color is **56.0956, 78.3652, 71.2009**, and **11.6309, 19.4245, 15.7067** is the 20% darker color. If you saturate the color by 10%, you get **26.1784, 41.2047, 33.8369**, and if you desaturate by 10%, it is **30.5802, 43.3434, 39.9360**.

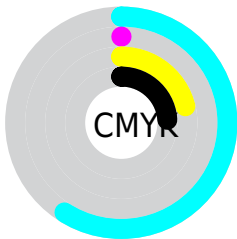
Distribution



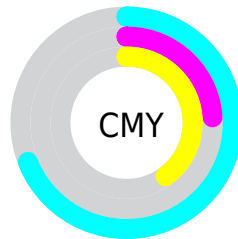
- Red (31%)
- Green (76%)
- Blue (60%)



- Red (31%)
- Yellow (58%)
- Blue (76%)



- Cyan (59%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)





- Cyan (69%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1280, 42.1453, 36.7894 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 28.1280, 42.1453, 36.7894 by changing the saturation by 10% instead.


 28.1280, 42.1453,
36.7894


 28.1280, 42.1453,
36.7894


285.1470,
355.0849, 347.5390


 18.5631, 29.2151,
24.7500


 56.0960, 78.4195,
71.4315


 11.4572, 19.2436,
15.6735


 75.2297, 102.5322,
94.8712

 6.4448, 11.8464,
9.1416


 98.2838, 131.1413,
122.9481

 3.1606, 6.6392,
4.7356

 125.6237,
164.6310, 156.0807

 1.2392, 3.2375,
2.0370

157.6145,
203.3859, 194.6875

 0.1370, 1.2569,
0.5779

194.6218,

 0.0000, 0.1075,

247.7902, 239.1872

0.0000

237.0109,
298.2284, 289.9982

■ 0.0000, 0.0000,
0.0000

■ 28.1280, 42.1453,
36.7894

■ 28.1280, 42.1453,
36.7894

■ 26.1784, 41.2047,
33.8369

■ 30.5802, 43.3434,
39.9360

■ 24.6862, 40.4951,
31.0707

■ 33.5684, 44.8131,
43.2782

■ 23.6033, 39.9929,
28.4868

■ 37.1273, 46.5730,
46.8212

■ 22.8506, 39.6574,
26.0784

■ 41.2872, 48.6389,
50.5690

■ 22.7520, 39.6139,
25.7424

■ 46.0767, 51.0253,
54.5256

■ 51.5221, 53.7459,
58.6946

■ 57.6484, 56.8134,
63.0796

■ 64.4791, 60.2399,
67.6843

■ 72.0369, 64.0371,
72.5118

Harmonies

Analogous

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



30.9821, 42.1453, 23.4534



28.1280, 42.1453, 36.7894



28.1935, 42.1453, 57.3998

Triad

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



28.1280, 42.1453, 36.7894



43.8978, 42.1453, 95.3839



50.4880, 42.1453, 23.0413

Complementary

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



28.1280, 42.1453, 36.7894



28.2525, 18.4319, 19.8395

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.



54.8560, 42.1453, 36.0303



28.1280, 42.1453, 36.7894



50.7526, 42.1453, 79.3906

Square

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



28.1280, 42.1453, 36.7894



36.7398, 42.1453, 95.7709



54.9583, 42.1453, 56.3776



43.5698, 42.1453, 17.2759

Rectangle

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



28.1280, 42.1453, 36.7894



29.8667, 42.1453, 72.9806



54.9583, 42.1453, 56.3776



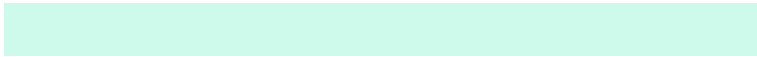
52.3377, 42.1453, 26.4999

Sweetspot

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



28.1292, 42.1470, 36.7904



74.1567, 87.2157, 90.7501



28.4653, 42.8172, 14.3543



15.4135, 18.4642, 19.0374



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.1292, 42.1470, 36.7904



46.1283, 73.4335, 59.3060



28.8423, 37.3716, 56.1473



10.2122, 11.3659, 12.1210



15.1713, 26.3626, 17.3272



0.6873, 1.1518, 0.9159

Inverse Universe

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



28.2525, 18.4319, 19.8395



46.4103, 27.1367, 26.4191



27.5398, 20.1141, 10.0210



10.2172, 10.1355, 11.2342



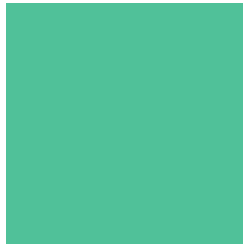
15.3628, 7.8349, 4.5564



0.6968, 0.3517, 0.3705

Previews

White Background



This preview shows how the XYZ color 28.1280, 42.1453, 36.7894 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 28.1280, 42.1453, 36.7894 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

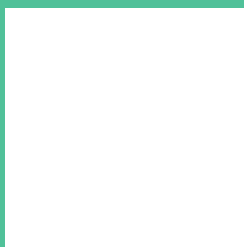
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1280, 42.1453, 36.7894

Background



This preview shows how black text looks on a background with the XYZ color 28.1280, 42.1453, 36.7894.

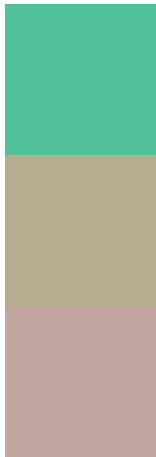


This preview shows how white text looks on a background with the XYZ color 28.1280, 42.1453,

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

28.1280, 42.1453, 36.7894

Protanopia

39.0019, 41.4333, 31.9284

Deuteranopia

42.1424, 41.2450, 38.5408



Tritanopia

32.9254, 41.8217, 61.5954

Trichromacy



Original Color

28.1280, 42.1453, 36.7894



Protanomaly

33.2648, 40.7688, 33.7197



Deuteranomaly

34.7480, 40.2573, 37.8373



Tritanomaly

31.0658, 42.0295, 51.8226

Monochromacy



Original Color

28.1280, 42.1453, 36.7894



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.9228, 35.2982, 35.8607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1280, 42.1453, 36.7894 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(80, 193, 153)` looks like.

```
.text, #text, p{  
    color:rgb(80, 193, 153)  
}
```

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(80, 193, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 193, 153) }
```

Border

The CSS property to change the border of an element to XYZ 28.1280, 42.1453, 36.7894 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(80, 193, 153) }
```


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

```
.border{ border-color:rgb(80, 193, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 193, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 193, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 193, 153);  
box-shadow:4px 4px 4px 4px rgb(80, 193,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1280, 42.1453, 36.7894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 193, 153) }
```

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

```
.background{ background-color: rgb(80, 193,  
153) }
```

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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