

Converting Colors

XYZ(29.2853, 41.7956, 35.3780)

Have a look what the booklet for
XYZ(29.2853, 41.7956, 35.3780)
contains.

XYZ(29.2853, 41.7956, 35.3780)	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(29.2853, 41.7956,
35.3780)**

Conversions

Conversions Part 1

Format	Color
Hex	65BE96
RGB	101, 190, 150
RGB Percent	40%, 75%, 59%
CMY	0.6039, 0.2549, 0.4118
CMYK	0.47, 0.00, 0.21, 0.25
HSL	153°, 41%, 57%
HSV	153°, 47%, 75%
XYZ	29.2853, 41.7956, 35.3780
YIQ	158.8290, -40.2040, -31.3080

Conversions

Conversions Part 2

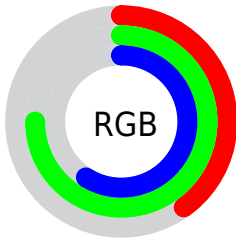
Format	Color
RYB	101, 158, 190
Decimal	6667926
CIELab	70.73, -36.13, 12.04
CIElCh	71, 38.081, 161.571
Yxy	41.7956, 0.2751, 0.3926
Android (android.graphics.Color)	4284858006 (0xFF65BE96)
YUV	158.8290, -4.3527, -50.7160
Hunter-Lab	64.6495, -32.2787, 12.8095

Details

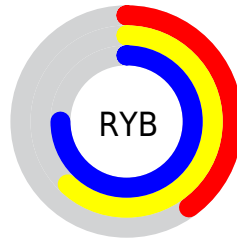
The XYZ color **29.2853, 41.7956, 35.3780** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **30.6980, 22.1786, 27.8639**, and the grayscale version is **32.9099, 34.6237, 37.7052**.

A 20% lighter version of the original color is **57.8701, 77.9491, 69.1223**, and **12.0950, 19.0446, 14.8429** is the 20% darker color. If you saturate the color by 10%, you get **26.7362, 40.5592, 31.7994**, and if you desaturate by 10%, it is **32.3786, 43.3090, 39.2455**.

Distribution



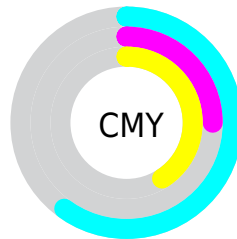
- Red (40%)
- Green (75%)
- Blue (59%)



- Red (40%)
- Yellow (62%)
- Blue (75%)



- Cyan (47%)
- Magenta (0%)
- Yellow (21%)
- Black (25%)





- Cyan (60%)
- Magenta (25%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2853, 41.7956, 35.3780 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 29.2853, 41.7956, 35.3780 by changing the saturation by 10% instead.


 29.2853, 41.7956,
35.3780


 29.2853, 41.7956,
35.3780


290.5287,
353.6349, 341.1885


 19.4421, 28.9413,
23.6683


 57.9245, 77.8902,
69.2291


 12.0961, 19.0364,
14.8778


 77.4512, 101.8992,
92.2077

 6.8818, 11.6966,
8.5880


 100.9365,
130.3953, 119.7796

 3.4340, 6.5374,
4.3803

 128.7457,
163.7628, 152.3634

 1.3872, 3.1745,
1.8362

161.2441,
202.3861, 190.3776

 0.2471, 1.2235,
0.4517

198.7972,

 0.0000, 0.0808,

246.6496, 234.2409

0.0000

241.7703,
296.9378, 284.3716

■ 0.0000, 0.0000,
0.0000

■ 29.2853, 41.7956,
35.3780

■ 29.2853, 41.7956,
35.3780

■ 26.7362, 40.5592,
31.7994

■ 32.3786, 43.3090,
39.2455

■ 24.6925, 39.5765,
28.4997

■ 36.0447, 45.1106,
43.4060

■ 23.1153, 38.8288,
25.4722


■ 40.3144, 47.2174,
47.8670


■ 21.9584, 38.2924,
22.7088


■ 45.2151, 49.6434,
52.6348


■ 21.1591, 37.9350,
20.2006


■ 50.7724, 52.4016,
57.7156

 20.9438, 37.8402,
19.4586

 57.0107, 55.5045,
63.1152

 63.9529, 58.9638,
68.8396

 71.6208, 62.7907,
74.8942

 73.4999, 63.6267,
80.9787

Harmonies

Analogous

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



32.2023, 41.7956, 24.1380



29.2853, 41.7956, 35.3780



28.9796, 41.7956, 52.8441

Triad

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



29.2853, 41.7956, 35.3780



42.2105, 41.7956, 88.7744



49.5176, 41.7956, 26.1171

Complementary

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



29.2853, 41.7956, 35.3780



30.6980, 22.1786, 27.8639

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.



52.8451, 41.7956, 38.8849



29.2853, 41.7956, 35.3780



48.3376, 41.7956, 76.7901

Square

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



29.2853, 41.7956, 35.3780



36.0098, 41.7956, 87.1042



52.3917, 41.7956, 57.4084



43.6883, 41.7956, 19.8509

Rectangle

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



29.2853, 41.7956, 35.3780



30.2540, 41.7956, 66.2458



52.3917, 41.7956, 57.4084



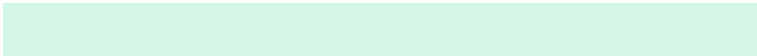
50.9923, 41.7956, 29.6247

Sweetspot

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



29.2864, 41.7973, 35.3790



75.2627, 86.6543, 88.9437



31.7568, 43.4354, 19.0226



16.1202, 18.8273, 19.1259



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.



29.2864, 41.7973, 35.3790



48.4210, 73.4832, 57.5823



32.1267, 41.4146, 55.0177



9.6226, 10.7352, 11.2622



13.9659, 25.1766, 13.1492



0.5796, 0.9992, 0.6864

Inverse Universe

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



30.6980, 22.1786, 27.8639



51.2916, 33.6835, 42.3715



28.6829, 22.0828, 15.0632



9.7036, 9.6057, 10.8281



15.2594, 7.7349, 6.6598



0.6307, 0.3162, 0.4345

Previews

White Background



This preview shows how the XYZ color 29.2853, 41.7956, 35.3780 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 29.2853, 41.7956, 35.3780 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

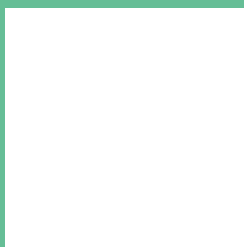
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2853, 41.7956, 35.3780

Background



This preview shows how black text looks on a background with the XYZ color 29.2853, 41.7956, 35.3780.



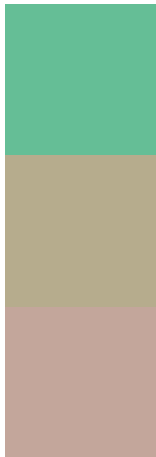
This preview shows how white text looks on a background with the XYZ color 29.2853, 41.7956,

35.3780.

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

29.2853, 41.7956, 35.3780

Protanopia

38.8516, 41.3732, 31.1374

Deuteranopia

42.0583, 41.2411, 36.7540



Tritanopia

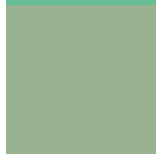
34.0660, 41.5216, 59.6451

Trichromacy



Original Color

29.2853, 41.7956, 35.3780



Protanomaly

34.2910, 41.0261, 32.4971



Deuteranomaly

35.7777, 40.5369, 36.0757



Tritanomaly

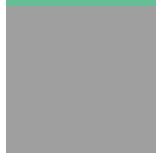
32.2061, 41.7052, 50.0685

Monochromacy



Original Color

29.2853, 41.7956, 35.3780



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.8567, 36.5530, 36.8816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2853, 41.7956, 35.3780 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(101, 190, 150)` looks like.

```
.text, #text, p{  
    color:rgb(101, 190, 150)  
}
```

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(101, 190, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 190, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.2853, 41.7956, 35.3780 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(101, 190, 150) }
```


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

```
.border{ border-color:rgb(101, 190, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 190, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 190, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 190, 150);  
box-shadow:4px 4px 4px 4px rgb(101, 190,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2853, 41.7956, 35.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 190, 150) }
```

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

```
.background{ background-color: rgb(101,  
190, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor