

Converting Colors

XYZ(27.6550, 40.6327, 37.2289)

Have a look what the booklet for
XYZ(27.6550, 40.6327, 37.2289)
contains.

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Color

**XYZ(27.6813, 40.6007,
37.3881)**

Conversions

Conversions Part 1

Format	Color
Hex	53BD9B
RGB	83, 189, 155
RGB Percent	33%, 74%, 61%
CMY	0.6745, 0.2588, 0.3922
CMYK	0.56, 0.00, 0.18, 0.26
HSL	161°, 45%, 53%
HSV	161°, 56%, 74%
XYZ	27.6813, 40.6007, 37.3881
YIQ	153.4300, -52.2620, -33.0460

Conversions

Conversions Part 2

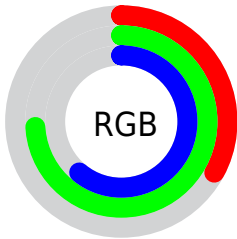
Format	Color
RYB	83, 146, 189
Decimal	5488027
CIELab	69.90, -38.81, 8.04
CIELCh	70, 39.637, 168.291
Yxy	40.6007, 0.2620, 0.3842
Android (android.graphics.Color)	4283678107 (0xFF53BD9B)
YUV	153.4300, 0.7740, -61.7671
Hunter-Lab	63.7187, -33.9619, 9.8136

Details

The XYZ color **27.6813, 40.6007, 37.3881** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **27.2918, 18.2908, 18.9234**, and the grayscale version is **30.4798, 32.0671, 34.9211**.

A 20% lighter version of the original color is **55.4489, 76.1777, 72.1029**, and **11.2378, 18.3661, 16.0494** is the 20% darker color. If you saturate the color by 10%, you get **25.7393, 39.6580, 34.7063**, and if you desaturate by 10%, it is **30.1056, 41.7912, 40.2277**.

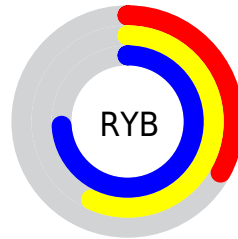
Distribution



Red (33%)

Green (74%)

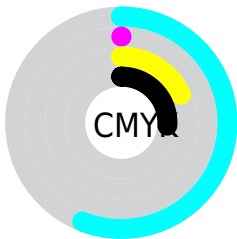
Blue (61%)



Red (33%)

Yellow (57%)

Blue (74%)

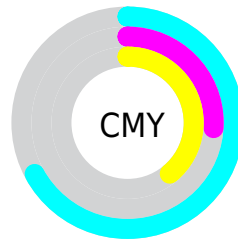


Cyan (56%)

Magenta (0%)

Yellow (18%)

Black (26%)



Cyan (67%)

Magenta (26%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6813, 40.6007, 37.3881 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 27.6813, 40.6007, 37.3881 by changing the saturation by 10% instead.


 27.6813, 40.6007,
37.3881


 27.6813, 40.6007,
37.3881


283.0487,
348.6490, 350.2069


 18.2248, 28.0072,
25.2100


 55.3874, 76.0774,
72.3623


 11.2122, 18.3311,
16.0131


 74.3677, 99.7293,
95.9954

 6.2781, 11.1880,
9.3790


 97.2534, 127.8363,
124.2839

 3.0571, 6.1934,
4.8890

 124.4097,
160.7825, 157.6465

 1.1841, 2.9630,
2.1247

156.2020,
198.9526, 196.5015

 0.0937, 1.1125,
0.6304

192.9957,

 0.0000, 0.0000,

242.7307, 241.2675

0.0000

235.1561,
292.5014, 292.3631

■ 27.6813, 40.6007,
37.3881

■ 27.6813, 40.6007,
37.3881

■ 25.7393, 39.6580,
34.7063

■ 30.1056, 41.7912,
40.2277

■ 24.2380, 38.9385,
32.1758

■ 33.0429, 43.2421,
43.2258

■ 23.1340, 38.4209,
29.7935

■ 36.5250, 44.9709,
46.3866

■ 22.3708, 38.0762,
27.5547

■ 40.5804, 46.9921,
49.7133

■ 22.1194, 37.9650,
26.7143

■ 45.2354, 49.3192,
53.2089

■ 50.5146, 51.9650,
56.8763

■ 56.4412, 54.9414,
60.7183

■ 63.0374, 58.2597,
64.7376

■ 70.3240, 61.9308,
68.9369

Harmonies

Analogous

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



30.0569, 40.6007, 24.5463



27.6813, 40.6007, 37.3881



27.9775, 40.6007, 56.3097

Triad

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



27.6813, 40.6007, 37.3881



42.6118, 40.6007, 87.1997



47.4374, 40.6007, 22.6503

Complementary

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



27.6813, 40.6007, 37.3881



27.2918, 18.2908, 18.9234

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.



51.5944, 40.6007, 33.9765



27.6813, 40.6007, 37.3881



48.6017, 40.6007, 72.2795

Square

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



27.6813, 40.6007, 37.3881



36.1288, 40.6007, 88.8695



52.0427, 40.6007, 51.8089



41.1600, 40.6007, 17.7633

Rectangle

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



27.6813, 40.6007, 37.3881



29.6565, 40.6007, 70.0523



52.0427, 40.6007, 51.8089



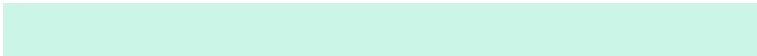
49.1578, 40.6007, 25.6581

Sweetspot

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



27.6824, 40.6023, 37.3890



71.7582, 83.7013, 88.3094



27.2768, 40.8963, 14.6406



15.1057, 17.8371, 18.7302



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.6824, 40.6023, 37.3890



45.5021, 70.7378, 61.2341



27.3799, 34.7666, 53.4134



9.6748, 10.7560, 11.5371



14.9181, 25.5575, 18.1634



0.6130, 1.0126, 0.8622

Inverse Universe

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



27.2918, 18.2908, 18.9234



44.7739, 26.9337, 25.1728



27.1703, 20.6873, 10.7455



9.6529, 9.5855, 10.5612



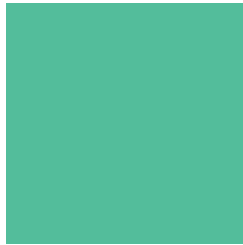
14.7115, 7.5157, 3.7743



0.6069, 0.3066, 0.3091

Previews

White Background



This preview shows how the XYZ color 27.6813, 40.6007, 37.3881 looks on a white background.

Color Contrast Check

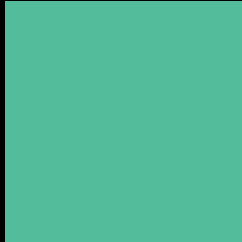
Large Text (above 18pt) WCAG AA × Fail

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 27.6813, 40.6007, 37.3881 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 27.6813, 40.6007, 37.3881

Background



This preview shows how black text looks on a background with the XYZ color 27.6813, 40.6007, 37.3881.

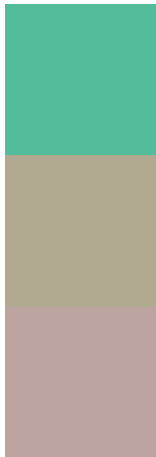


This preview shows how white text looks on a background with the XYZ color 27.6813, 40.6007,

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

27.6813, 40.6007, 37.3881

Protanopia

37.6589, 39.8852, 32.5018

Deuteranopia

40.6069, 39.9078, 38.8205



Tritanopia

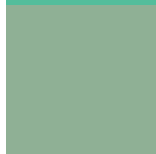
32.0563, 40.4856, 59.5510

Trichromacy



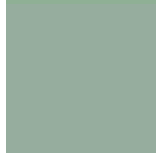
Original Color

27.6813, 40.6007, 37.3881



Protanomaly

32.2778, 39.0602, 34.2719



Deuteranomaly

33.6928, 38.8398, 38.0688



Tritanomaly

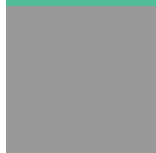
30.2061, 40.3506, 50.4524

Monochromacy



Original Color

27.6813, 40.6007, 37.3881



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.3710, 34.1947, 35.6768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6813, 40.6007, 37.3881 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(83, 189, 155)` looks like.

```
.text, #text, p{  
    color:rgb(83, 189, 155)  
}
```

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(83, 189, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 189, 155) }
```

Border

The CSS property to change the border of an element to XYZ 27.6813, 40.6007, 37.3881 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(83, 189, 155) }
```


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

```
.border{ border-color:rgb(83, 189, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 189, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 189, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 189, 155);  
box-shadow:4px 4px 4px 4px rgb(83, 189,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6813, 40.6007, 37.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 189, 155) }
```

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

```
.background{ background-color: rgb(83, 189,  
155) }
```

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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