

Converting Colors

XYZ(28.0101, 37.9908, 38.9793)

Have a look what the booklet for
XYZ(28.0101, 37.9908, 38.9793)
contains.

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Color

**XYZ(28.0332, 37.9473,
39.1048)**

Conversions

Conversions Part 1

Format	Color
Hex	65B4A0
RGB	101, 180, 160
RGB Percent	40%, 71%, 63%
CMY	0.6039, 0.2941, 0.3725
CMYK	0.44, 0.00, 0.11, 0.29
HSL	165°, 34%, 55%
HSV	165°, 44%, 71%
XYZ	28.0332, 37.9473, 39.1048
YIQ	154.0990, -40.6640, -22.9680

Conversions

Conversions Part 2

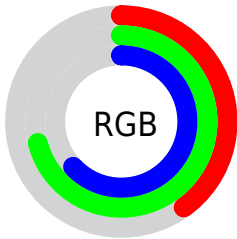
Format	Color
R_{YB}	101, 146, 180
Decimal	6665376
CIE _{Lab}	67.98, -29.17, 2.63
CIE _{LCh}	68, 29.285, 174.841
Y _{xy}	37.9473, 0.2668, 0.3611
Android (android.graphics.Color)	4284855456 (0xFF65B4A0)
YUV	154.0990, 2.9092, -46.5678
Hunter-Lab	61.6014, -26.5717, 5.4834

Details

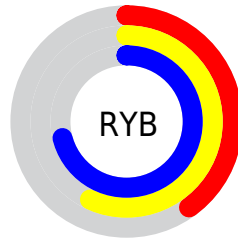
The XYZ color **28.0332, 37.9473, 39.1048** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.9285, 20.3920, 20.6071**, and the grayscale version is **30.7598, 32.3618, 35.2420**.

A 20% lighter version of the original color is **55.9715, 71.9651, 75.2306**, and **11.4764, 16.8637, 17.1182** is the 20% darker color. If you saturate the color by 10%, you get **25.8431, 36.8645, 36.9597**, and if you desaturate by 10%, it is **30.6814, 39.2666, 41.3493**.

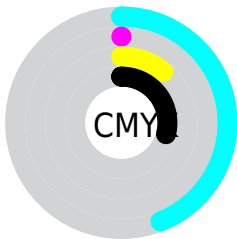
Distribution



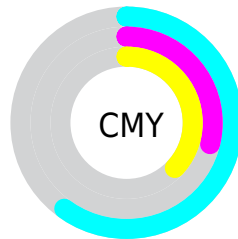
- Red (40%)
- Green (71%)
- Blue (63%)



- Red (40%)
- Yellow (57%)
- Blue (71%)



- Cyan (44%)
- Magenta (0%)
- Yellow (11%)
- Black (29%)



- Cyan (60%)
- Magenta (29%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0332, 37.9473, 39.1048 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 28.0332, 37.9473, 39.1048 by changing the saturation by 10% instead.

■ 28.0332, 37.9473,
39.1048

■ 28.0332, 37.9473,
39.1048

284.7027,
337.3938, 357.7751

■ 18.4913, 25.9418,
26.5328

■ 55.9457, 72.0274,
75.0205

■ 11.4051, 16.7801,
16.9933

■ 75.0470, 94.8707,
99.2013

■ 6.4093, 10.0778,
10.0678

■ 98.0655, 122.0954,
128.0887

■ 3.1385, 5.4506,
5.3378

■ 125.3665,
154.0859, 162.1014

■ 1.2274, 2.5140,
2.3846

157.3153,
191.2267, 201.6579

■ 0.1279, 0.8836,
0.7780

194.2774,

■ 0.0000, 0.0000,

233.9019, 247.1766

0.0000

236.6181,
282.4962, 299.0762

■ 28.0332, 37.9473,
39.1048

■ 28.0332, 37.9473,
39.1048

■ 25.8431, 36.8645,
36.9597

■ 30.6814, 39.2666,
41.3493

■ 24.0787, 35.9984,
34.9092

■ 33.8112, 40.8314,
43.6926

■ 22.7082, 35.3338,
32.9519


■ 37.4483, 42.6560,
46.1375


■ 21.6940, 34.8513,
31.0850


■ 41.6153, 44.7521,
48.6859


■ 20.9907, 34.5273,
29.3058


■ 46.3339, 47.1308,
51.3395

 20.6550, 34.3771,
28.2584

 51.6243, 49.8025,
54.1000

 57.5055, 52.7770,
56.9691

 63.9961, 56.0637,
59.9483

 68.1067, 58.1218,
62.8985

Harmonies

Analogous

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



29.3741, 37.9473, 28.4980



28.0332, 37.9473, 39.1048



28.6930, 37.9473, 52.7703

Triad

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



28.0332, 37.9473, 39.1048



39.8716, 37.9473, 68.4991



41.3469, 37.9473, 24.0244

Complementary

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



28.0332, 37.9473, 39.1048



26.9285, 20.3920, 20.6071

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.



44.6089, 37.9473, 31.6557



28.0332, 37.9473, 39.1048



43.7081, 37.9473, 57.5009

Square

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



28.0332, 37.9473, 39.1048



35.2864, 37.9473, 71.6533



45.5072, 37.9473, 43.6135



36.8606, 37.9473, 21.0417

Rectangle

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



28.0332, 37.9473, 39.1048



30.2102, 37.9473, 61.6369



45.5072, 37.9473, 43.6135



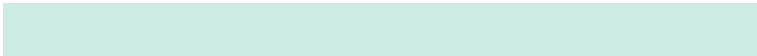
42.6375, 37.9473, 26.0417

Sweetspot

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



28.0343, 37.9488, 39.1057



68.3721, 77.5790, 83.9557



26.7068, 37.7261, 18.1867



14.4462, 16.6011, 17.9327



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.0343, 37.9488, 39.1057



46.8507, 66.8372, 67.0062



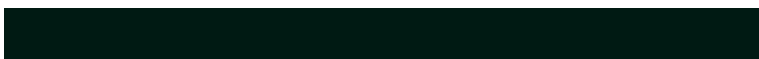
26.4503, 31.7516, 47.9164



8.6489, 9.5941, 10.4107



14.4435, 24.0034, 19.8700



0.4763, 0.7640, 0.7404

Inverse Universe

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



26.9285, 20.3920, 20.6071



44.5964, 30.7479, 29.0743



27.8210, 23.9409, 15.4671



8.5817, 8.5394, 9.2958



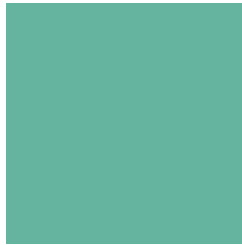
13.4987, 6.9171, 2.5204



0.4487, 0.2272, 0.2056

Previews

White Background



This preview shows how the XYZ color 28.0332, 37.9473, 39.1048 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 28.0332, 37.9473, 39.1048 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

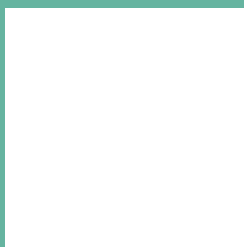
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0332, 37.9473, 39.1048

Background



This preview shows how black text looks on a background with the XYZ color 28.0332, 37.9473, 39.1048.

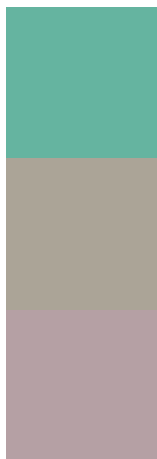


This preview shows how white text looks on a background with the XYZ color 28.0332, 37.9473,

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

28.0332, 37.9473, 39.1048

Protanopia

35.6560, 37.4432, 34.6261

Deuteranopia

38.3277, 37.6457, 40.3682



Tritanopia

31.1263, 38.0196, 54.4132

Trichromacy



Original Color

28.0332, 37.9473, 39.1048

Protanomaly

32.0615, 37.1935, 36.0611

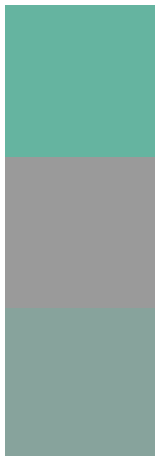
Deuteranomaly

33.3785, 36.9572, 40.0245

Tritanomaly

29.8027, 37.7631, 48.3661

Monochromacy



Original Color

28.0332, 37.9473, 39.1048

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.0896, 33.7456, 36.4329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0332, 37.9473, 39.1048 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, 180, 160)` looks like.

```
.text, #text, p{  
    color:rgb(101, 180, 160)  
}
```

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, 180, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 180, 160) }
```

Border

The CSS property to change the border of an element to XYZ 28.0332, 37.9473, 39.1048 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, 180, 160) }
```


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

```
.border{ border-color:rgb(101, 180, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 180, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 180, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 180, 160);  
box-shadow:4px 4px 4px 4px rgb(101, 180,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0332, 37.9473, 39.1048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 180, 160) }
```

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

```
.background{ background-color: rgb(101,  
180, 160) }
```

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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