

Converting Colors

XYZ(40.0625, 51.5705, 53.0776)

Have a look what the booklet for
XYZ(40.0625, 51.5705, 53.0776)
contains.

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Color

**XYZ(40.2363, 51.7973,
53.2246)**

Conversions

Conversions Part 1

Format	Color
Hex	87CCB8
RGB	135, 204, 184
RGB Percent	53%, 80%, 72%
CMY	0.4706, 0.2000, 0.2784
CMYK	0.34, 0.00, 0.10, 0.20
HSL	163°, 40%, 66%
HSV	163°, 34%, 80%
XYZ	40.2363, 51.7973, 53.2246
YIQ	181.0890, -34.7040, -20.8480

Conversions

Conversions Part 2

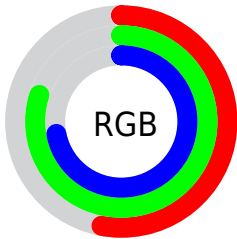
Format	Color
RYB	135, 175, 204
Decimal	8899768
CIELab	77.16, -26.12, 3.07
CIELCh	77, 26.299, 173.293
Yxy	51.7973, 0.2770, 0.3566
Android (android.graphics.Color)	4287089848 (0xFF87CCB8)
YUV	181.0890, 1.4351, -40.4201
Hunter-Lab	71.9703, -26.1545, 6.5322

Details

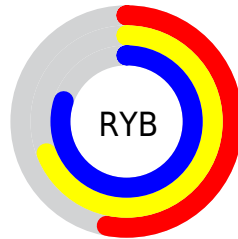
The XYZ color **40.2363, 51.7973, 53.2246** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.4840, 32.5333, 35.2110**, and the grayscale version is **43.9762, 46.2664, 50.3841**.

A 20% lighter version of the original color is **72.7234, 88.7584, 95.7372**, and **18.4828, 25.2452, 25.3714** is the 20% darker color. If you saturate the color by 10%, you get **36.6565, 50.0233, 49.8892**, and if you desaturate by 10%, it is **44.4738, 53.9100, 56.7283**.

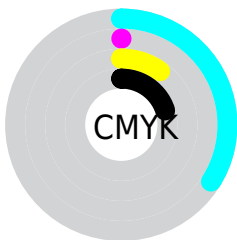
Distribution



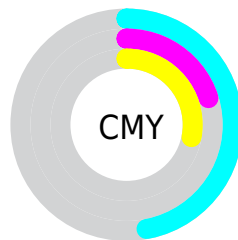
- Red (53%)
- Green (80%)
- Blue (72%)



- Red (53%)
- Yellow (69%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)





- Cyan (47%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2363, 51.7973, 53.2246 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 40.2363, 51.7973, 53.2246 by changing the saturation by 10% instead.


 40.2363, 51.7973,
53.2246


 40.2363, 51.7973,
53.2246


338.2359,
393.6536, 416.2369


 27.9079, 36.8435,
37.5931


 74.8053, 92.8322,
96.3797

 18.3963, 25.0864,
25.3677


 97.7765, 119.6822,
124.7404

 11.3363, 16.1414,
16.1297


 125.0260,
151.2663, 158.1812

 6.3625, 9.6243,
9.4606

156.9193,
187.9690, 197.1208

 3.1095, 5.1506,
4.9419

193.8215,
230.1747, 241.9776

 1.2119, 2.3359,
2.1551

236.0981,

 0.1157, 0.7926,

278.2678, 293.1702

0.6483

284.1145,
332.6326, 351.1171

■ 0.0000, 0.0000,
0.0000

■ 40.2363, 51.7973,
53.2246

■ 40.2363, 51.7973,
53.2246

■ 36.6565, 50.0233,
49.8892

■ 44.4738, 53.9100,
56.7283

■ 33.6937, 48.5632,
46.7152

■ 49.3982, 56.3725,
60.4000

■ 31.3094, 47.3982,
43.7004


■ 55.0420, 59.2027,
64.2438


■ 29.4587, 46.5055,
40.8408


■ 61.4344, 62.4158,
68.2626


■ 28.0899, 45.8584,
38.1323


■ 68.6031, 66.0259,
72.4594


 27.1404, 45.4247,
35.5703

 75.6838, 69.5875,
76.7951

 26.6943, 45.2277,
34.0570

 76.4787, 69.9055,
80.9811

 77.3016, 70.2347,
85.3144

 78.1527, 70.5751,
89.7965

Harmonies

Analogous

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



41.8769, 51.7973, 41.4076



40.2363, 51.7973, 53.2246



40.8709, 51.7973, 68.0777

Triad

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



40.2363, 51.7973, 53.2246



53.1568, 51.7973, 85.8616



55.2428, 51.7973, 36.9768

Complementary

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



40.2363, 51.7973, 53.2246



39.4840, 32.5333, 35.2110

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.



58.6615, 51.7973, 46.1377



40.2363, 51.7973, 53.2246



57.4010, 51.7973, 74.6303

Square

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



40.2363, 51.7973, 53.2246



48.1107, 51.7973, 88.6281



59.4770, 51.7973, 59.6960



50.3701, 51.7973, 33.1167

Rectangle

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



40.2363, 51.7973, 53.2246



42.5215, 51.7973, 77.6078



59.4770, 51.7973, 59.6960



56.6132, 51.7973, 39.4548

Sweetspot

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



40.2378, 51.7994, 53.2258



85.1154, 95.0134, 102.3418



39.6200, 51.9752, 30.8667



17.9409, 20.1978, 21.7131



0.0000, 0.0000, 0.0000



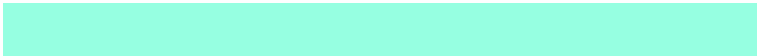
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2378, 51.7994, 53.2258



61.9694, 83.4663, 83.8591



39.3492, 46.4261, 64.0163



11.3992, 12.6694, 13.6599



16.8431, 28.4826, 21.6568



0.9008, 1.4822, 1.2854

Inverse Universe

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



39.4840, 32.5333, 35.2110



60.5339, 46.5428, 49.3788



39.9925, 36.0198, 27.7673



11.3438, 11.2663, 12.3453



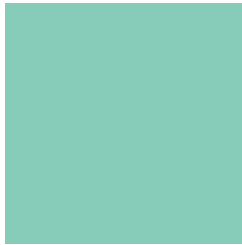
16.2080, 8.2938, 3.5481



0.8695, 0.4412, 0.3586

Previews

White Background



This preview shows how the XYZ color 40.2363, 51.7973, 53.2246 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 40.2363, 51.7973, 53.2246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

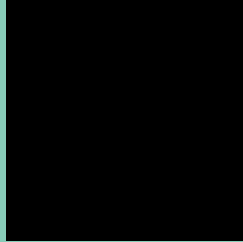
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

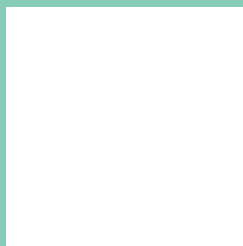
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2363, 51.7973, 53.2246

Background



This preview shows how black text looks on a background with the XYZ color 40.2363, 51.7973, 53.2246.



This preview shows how white text looks on a background with the XYZ color 40.2363, 51.7973,

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

40.2363, 51.7973, 53.2246

Protanopia

48.7990, 51.2655, 48.3976

Deuteranopia

52.2300, 51.3217, 54.7302



Tritanopia

43.8445, 51.5039, 71.9204

Trichromacy



Original Color

40.2363, 51.7973, 53.2246

Protanomaly

44.8840, 50.8369, 50.0947

Deuteranomaly

46.6565, 50.6732, 54.3356

Tritanomaly

42.4332, 51.6219, 64.8543

Monochromacy



Original Color

40.2363, 51.7973, 53.2246

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

41.9509, 47.6651, 51.2452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2363, 51.7973, 53.2246 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(135, 204, 184)` looks like.

```
.text, #text, p{  
    color:rgb(135, 204, 184)  
}
```

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(135, 204, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 204, 184) }
```

Border

The CSS property to change the border of an element to XYZ 40.2363, 51.7973, 53.2246 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(135, 204, 184) }
```


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

```
.border{ border-color:rgb(135, 204, 184) }
```

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

Here you see how a box with a 4 pixel rgb(135, 204, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 204, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 204, 184);  
box-shadow:4px 4px 4px 4px rgb(135, 204,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2363, 51.7973, 53.2246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 204, 184) }
```

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

```
.background{ background-color: rgb(135,  
204, 184) }
```

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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