

Converting Colors

XYZ(10.0336, 20.9941, 50.4112)

Have a look what the booklet for
XYZ(10.0336, 20.9941, 50.4112)
contains.

XYZ(20.3609, 26.3703, 51.0306)	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(20.3609, 26.3703,
51.0306)**

Conversions

Conversions Part 1

Format	Color
Hex	0099BB
RGB	0, 153, 187
RGB Percent	0%, 60%, 73%
CMY	0.9998, 0.4000, 0.2667
CMYK	1.00, 0.18, 0.00, 0.27
HSL	191°, 100%, 37%
HSV	191°, 100%, 73%
XYZ	20.3609, 26.3703, 51.0306
YIQ	111.1290, -102.1020, -21.8620

Conversions

Conversions Part 2

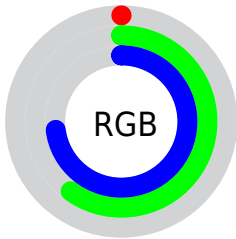
Format	Color
RYB	0, 84, 187
Decimal	39355
CIELab	58.39, -21.46, -27.10
CIELCh	58, 34.568, 231.625
Yxy	26.3703, 0.2083, 0.2697
Android (android.graphics.Color)	4278229435 (0xFF0099BB)
YUV	111.1290, 37.4044, -97.4601
Hunter-Lab	51.3520, -19.0914, -22.9725

Details

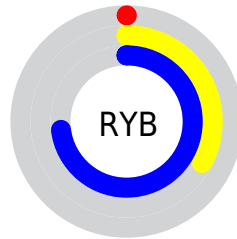
The XYZ color **20.3609, 26.3703, 51.0306** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.0672, 11.7114, 1.1513**, and the grayscale version is **15.0668, 15.8514, 17.2622**.

A 20% lighter version of the original color is **43.5574, 54.0696, 92.9348**, and **9.0544, 11.2240, 24.2435** is the 20% darker color. If you saturate the color by 10%, you get **20.3601, 26.3685, 51.0308**, and if you desaturate by 10%, it is **21.1894, 27.6360, 51.2318**.

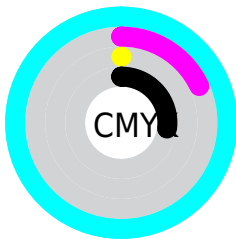
Distribution



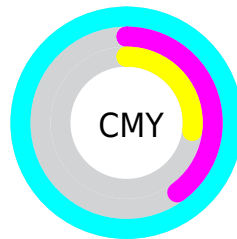
- Red (0%)
- Green (60%)
- Blue (73%)



- Red (0%)
- Yellow (33%)
- Blue (73%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (40%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3609, 26.3703, 51.0306 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 20.3609, 26.3703, 51.0306 by changing the saturation by 10% instead.

■ 20.3609, 26.3703,
51.0306

■ 20.3609, 26.3703,
51.0306

■ 246.6587,
284.5951, 407.5326

■ 12.7674, 17.1009,
35.8561

■ 43.5208, 53.8717,
93.1120

■ 7.3445, 10.3064,
24.0342

■ 59.8179, 72.8725,
120.8559

■ 3.7267, 5.6026,
15.1466

■ 79.7470, 95.8859,
153.6267

■ 1.5487, 2.6050,
8.7746

■ 103.6733,
123.2962, 191.8429

■ 0.3586, 0.9292,
4.4996

■ 131.9623,
155.4879, 235.9230

■ 0.0000, 0.0000,
1.9032

■ 164.9793,

■ 0.0000, 0.0000,

192.8454, 286.2857

0.4948

203.0897,
235.7530, 343.3494

■ 0.0000, 0.0000,
0.0000

■ 20.3609, 26.3703,
51.0306

■ 20.3609, 26.3703,
51.0306

■ 20.3601, 26.3685,
51.0308

■ 21.1894, 27.6360,
51.2318

■ 22.2853, 29.0628,
51.4494

■ 23.7420, 30.6996,
51.6886

■ 25.6054, 32.5701,
51.9514

■ 27.9147, 34.6948,
52.2398

■ 30.7042, 37.0916,
52.5554

■ 34.0048, 39.7764,
52.8997

■ 37.8448, 42.7642,
53.2740

■ 42.2503, 46.0686,
53.6796

Harmonies

Analogous

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



18.2582, 26.3703, 38.1469



20.3609, 26.3703, 51.0306



23.9019, 26.3703, 58.3510

Triad

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



20.3609, 26.3703, 51.0306



33.9702, 26.3703, 32.2287



22.1938, 26.3703, 12.0863

Complementary

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



20.3609, 26.3703, 51.0306



21.0672, 11.7114, 1.1513

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.



26.2635, 26.3703, 11.3241



20.3609, 26.3703, 51.0306



33.3807, 26.3703, 20.9784

Square

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



20.3609, 26.3703, 51.0306



31.9717, 26.3703, 45.6719



30.4411, 26.3703, 14.0867



19.2309, 26.3703, 16.5769

Rectangle

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



20.3609, 26.3703, 51.0306



26.7335, 26.3703, 57.9849



30.4411, 26.3703, 14.0867



23.4659, 26.3703, 11.4475

Sweetspot

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



20.3618, 26.3712, 51.0313



60.5791, 70.9819, 94.7094



18.0210, 35.6413, 7.2399



12.7682, 15.1711, 20.7979



90.7827, 95.5105, 104.0109



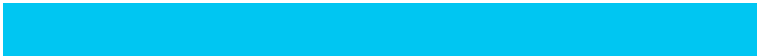
18.6292, 19.5994, 21.3438

Same Dimension

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



20.3618, 26.3712, 51.0313



36.3035, 46.9037, 91.3413



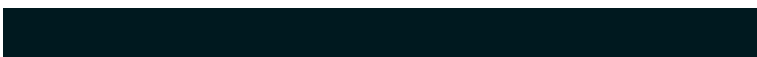
10.7126, 7.0728, 47.8149



9.6570, 10.5064, 12.1912



14.0765, 18.2647, 35.1764



0.5905, 0.7936, 1.3909

Inverse Universe

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



26.2441, 12.8658, 31.2379



46.9195, 23.0078, 55.5128



27.7873, 25.1516, 3.3914



9.8535, 9.6657, 11.6175



18.1059, 8.8735, 21.6492



0.7289, 0.3555, 0.9519

Previews

White Background



This preview shows how the XYZ color 20.3609, 26.3703, 51.0306 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3609, 26.3703, 51.0306 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 × Fail

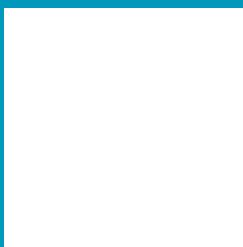
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3609, 26.3703, 51.0306

Background



This preview shows how black text looks on a background with the XYZ color 20.3609, 26.3703, 51.0306.

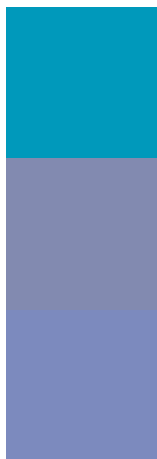


This preview shows how white text looks on a background with the XYZ color 20.3609, 26.3703,

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

20.3609, 26.3703, 51.0306

Protanopia

26.1309, 26.0574, 44.7266

Deuteranopia

26.6949, 26.1797, 52.3614



Tritanopia

18.6964, 26.2327, 40.6372

Trichromacy



Original Color

20.3609, 26.3703, 51.0306

Protanomaly

21.6280, 24.7792, 46.8230

Deuteranomaly

22.2322, 24.9813, 51.7942

Tritanomaly

19.1956, 26.1672, 44.0835

Monochromacy



Original Color

20.3609, 26.3703, 51.0306

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.7196, 18.1254, 27.1488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3609, 26.3703, 51.0306 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(0, 153, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 187)  
}
```

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(0, 153, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 187) }
```

Border

The CSS property to change the border of an element to XYZ 20.3609, 26.3703, 51.0306 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(0, 153, 187) }
```


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

```
.border{ border-color:rgb(0, 153, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3609, 26.3703, 51.0306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 187) }
```

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

```
.background{ background-color: rgb(0, 153,  
187) }
```

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