

Converting Colors

XYZ(20.3603, 26.6007, 50.0175)

Have a look what the booklet for
XYZ(20.3603, 26.6007, 50.0175)
contains.

XYZ(20.3751, 26.6462, 49.9683)	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(20.3751, 26.6462,
49.9683)**

Conversions

Conversions Part 1

Format	Color
Hex	059AB9
RGB	5, 154, 185
RGB Percent	2%, 60%, 73%
CMY	0.9803, 0.3961, 0.2745
CMYK	0.97, 0.17, 0.00, 0.27
HSL	190°, 95%, 37%
HSV	190°, 97%, 73%
XYZ	20.3751, 26.6462, 49.9683
YIQ	112.9830, -98.7550, -21.9470

Conversions

Conversions Part 2

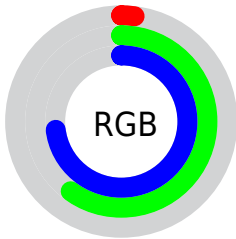
Format	Color
RYB	5, 87, 185
Decimal	367289
CIELab	58.65, -22.50, -25.57
CIELCh	59, 34.062, 228.647
Yxy	26.6462, 0.2101, 0.2747
Android (android.graphics.Color)	4278557369 (0xFF059AB9)
YUV	112.9830, 35.5044, -94.7011
Hunter-Lab	51.6200, -19.8785, -21.2590

Details

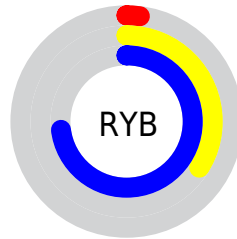
The XYZ color **20.3751, 26.6462, 49.9683** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.6673, 11.5892, 1.2922**, and the grayscale version is **15.6134, 16.4265, 17.8885**.

A 20% lighter version of the original color is **43.6074, 54.4932, 91.4390**, and **9.0151, 11.3664, 23.5486** is the 20% darker color. If you saturate the color by 10%, you get **20.1703, 26.3294, 49.9185**, and if you desaturate by 10%, it is **21.2117, 27.8691, 50.1608**.

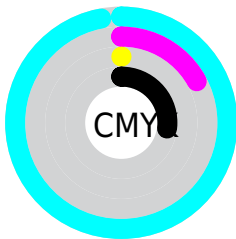
Distribution



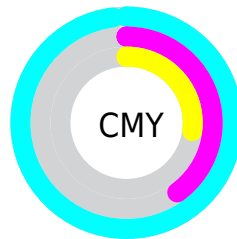
- Red (2%)
- Green (60%)
- Blue (73%)



- Red (2%)
- Yellow (34%)
- Blue (73%)



- Cyan (97%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (98%)
- Magenta (40%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3751, 26.6462, 49.9683 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 20.3751, 26.6462, 49.9683 by changing the saturation by 10% instead.

■ 20.3751, 26.6462,
49.9683

■ 20.3751, 26.6462,
49.9683

246.7336,
285.9400, 403.2735

■ 12.7778, 17.3077,
35.0172

■ 43.5443, 54.3156,
91.5237

■ 7.3517, 10.4541,
23.3925

■ 59.8470, 73.4153,
118.9651

■ 3.7313, 5.7011,
14.6756

■ 79.7822, 96.5375,
151.4071

■ 1.5513, 2.6642,
8.4479

■ 103.7153,
124.0666, 189.2681

■ 0.3603, 0.9590,
4.2910

■ 132.0117,
156.3870, 232.9667

■ 0.0000, 0.0000,
1.7863

■ 165.0366,

■ 0.0000, 0.0000,

193.8831, 282.9214

0.4189

203.1555,
236.9393, 339.5508

■ 0.0000, 0.0000,
0.0000

■ 20.3751, 26.6462,
49.9683

■ 20.3751, 26.6462,
49.9683

■ 20.1703, 26.3294,
49.9185

■ 21.2117, 27.8691,
50.1608

■ 22.3493, 29.2677,
50.3708

■ 23.8502, 30.8746,
50.6018

■ 25.7571, 32.7119,
50.8560

■ 28.1066, 34.7988,
51.1349

■ 30.9311, 37.1521,
51.4403

■ 34.2600, 39.7870,
51.7734

■ 38.1201, 42.7175,
52.1356

■ 42.5364, 45.9568,
52.5281

Harmonies

Analogous

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



18.4440, 26.6462, 37.0195



20.3751, 26.6462, 49.9683



23.7758, 26.6462, 57.9661

Triad

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



20.3751, 26.6462, 49.9683



34.0594, 26.6462, 33.7883



22.8407, 26.6462, 12.2023

Complementary

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



20.3751, 26.6462, 49.9683



20.6673, 11.5892, 1.2922

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.



26.9430, 26.6462, 11.7814



20.3751, 26.6462, 49.9683



33.7378, 26.6462, 22.2534

Square

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



20.3751, 26.6462, 49.9683



31.8569, 26.6462, 47.0496



31.0212, 26.6462, 14.9289



19.7556, 26.6462, 16.2995

Rectangle

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



20.3751, 26.6462, 49.9683



26.5551, 26.6462, 58.2663



31.0212, 26.6462, 14.9289



24.1362, 26.6462, 11.6781

Sweetspot

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



20.3760, 26.6471, 49.9690



59.9699, 70.1768, 92.5893



17.7160, 34.8523, 7.3858



12.3783, 14.6947, 19.9056



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.3760, 26.6471, 49.9690



35.9720, 46.8502, 89.3517



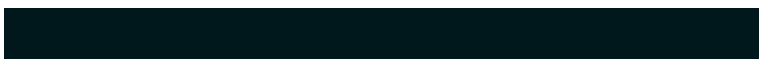
10.7117, 7.3186, 46.7475



9.1315, 9.9403, 11.5168



13.7809, 18.0215, 34.0052



0.5210, 0.7056, 1.2105

Inverse Universe

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



25.8954, 12.7569, 31.6702



46.0740, 22.5691, 55.6034



27.3706, 24.9958, 3.5267



9.3127, 9.1355, 10.9942



17.5697, 8.6016, 21.4184



0.6371, 0.3103, 0.8485

Previews

White Background



This preview shows how the XYZ color 20.3751, 26.6462, 49.9683 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 20.3751, 26.6462, 49.9683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

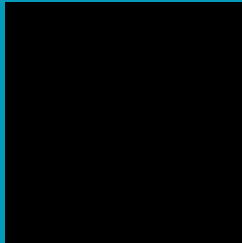
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3751, 26.6462, 49.9683

Background



This preview shows how black text looks on a background with the XYZ color 20.3751, 26.6462, 49.9683.

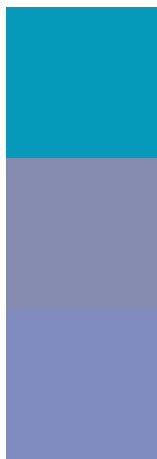


This preview shows how white text looks on a background with the XYZ color 20.3751, 26.6462,

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

20.3751, 26.6462, 49.9683

Protanopia

26.3883, 26.4268, 43.7545

Deuteranopia

27.0262, 26.3631, 51.8083



Tritanopia

18.9564, 26.6041, 41.1818

Trichromacy



Original Color

20.3751, 26.6462, 49.9683

Protanomaly

21.8469, 25.1393, 45.8204

Deuteranomaly

22.6176, 25.4164, 51.2907

Tritanomaly

19.3864, 26.5116, 44.1399

Monochromacy



Original Color

20.3751, 26.6462, 49.9683

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.2034, 18.7583, 27.2455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3751, 26.6462, 49.9683 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(5, 154, 185)` looks like.

```
.text, #text, p{  
    color:rgb(5, 154, 185)  
}
```

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(5, 154, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 154, 185) }
```

Border

The CSS property to change the border of an element to XYZ 20.3751, 26.6462, 49.9683 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(5, 154, 185) }
```


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

```
.border{ border-color:rgb(5, 154, 185) }
```

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

Here you see how a box with a 4 pixel rgb(5, 154, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 154, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 154, 185);  
box-shadow:4px 4px 4px 4px rgb(5, 154,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3751, 26.6462, 49.9683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 154, 185) }
```

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

```
.background{ background-color: rgb(5, 154,  
185) }
```

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