

Converting Colors

XYZ(20.5106, 26.8779, 50.3654)

Have a look what the booklet for
XYZ(20.5106, 26.8779, 50.3654)
contains.

XYZ(20.5968, 26.9943, 50.5792)	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(20.5968, 26.9943,
50.5792)**

Conversions

Conversions Part 1

Format	Color
Hex	019BBA
RGB	1, 155, 186
RGB Percent	0%, 61%, 73%
CMY	0.9959, 0.3921, 0.2706
CMYK	0.99, 0.17, 0.00, 0.27
HSL	190°, 99%, 37%
HSV	190°, 99%, 73%
XYZ	20.5968, 26.9943, 50.5792
YIQ	112.4880, -101.7350, -23.0070

Conversions

Conversions Part 2

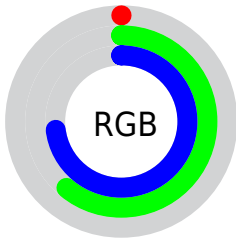
Format	Color
R_{YB}	1, 85, 186
Decimal	105402
CIE _{Lab}	58.97, -22.82, -25.64
CIE _{LCh}	59, 34.321, 228.329
Yxy	26.9943, 0.2098, 0.2750
Android (android.graphics.Color)	4278295482 (0xFF019BBA)
YUV	112.4880, 36.2414, -97.7750
Hunter-Lab	51.9560, -20.1608, -21.3496

Details

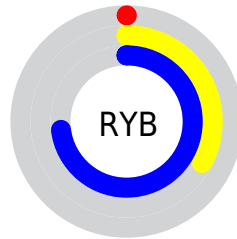
The XYZ color **20.5968, 26.9943, 50.5792** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.7732, 11.4766, 1.1502**, and the grayscale version is **15.4664, 16.2719, 17.7201**.

A 20% lighter version of the original color is **44.0034, 55.0454, 92.3100**, and **9.1840, 11.5941, 23.9441** is the 20% darker color. If you saturate the color by 10%, you get **20.5557, 26.9306, 50.5696**, and if you desaturate by 10%, it is **21.3915, 28.1846, 50.7676**.

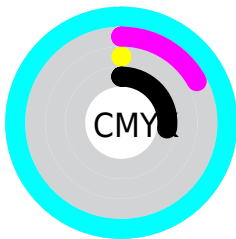
Distribution



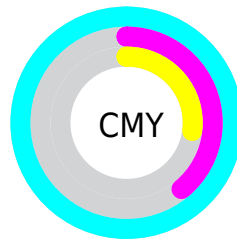
- Red (0%)
- Green (61%)
- Blue (73%)



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



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (39%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5968, 26.9943, 50.5792 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 20.5968, 26.9943, 50.5792 by changing the saturation by 10% instead.

■ 20.5968, 26.9943,
50.5792

■ 20.5968, 26.9943,
50.5792

■ 247.9003,
287.6295, 405.7264

■ 12.9404, 17.5689,
35.4994

■ 43.9119, 54.8747,
92.4376

■ 7.4642, 10.6410,
23.7612

■ 60.3012, 74.0986,
120.0533

■ 3.8030, 5.8260,
14.9460

■ 80.3323, 97.3574,
152.6847

■ 1.5913, 2.7395,
8.6353

■ 104.3704,
125.0355, 190.7503

■ 0.3867, 0.9973,
4.4105

■ 132.7809,
157.5174, 234.6688

■ 0.0000, 0.0000,
1.8532

■ 165.9291,

■ 0.0000, 0.0000,

195.1875, 284.8586

0.4627

204.1805,
238.4300, 341.7383

■ 0.0000, 0.0000,
0.0000

■ 20.5968, 26.9943,
50.5792

■ 20.5968, 26.9943,
50.5792

■ 20.5557, 26.9306,
50.5696

■ 21.3915, 28.1846,
50.7676

■ 22.4575, 29.5344,
50.9719

■ 23.8802, 31.0881,
51.1969

■ 25.7044, 32.8693,
51.4445

■ 27.9686, 34.8976,
51.7167

■ 30.7062, 37.1907,
52.0150

■ 33.9476, 39.7642,
52.3409

■ 37.7206, 42.6326,
52.6957

■ 42.0509, 45.8093,
53.0806

Harmonies

Analogous

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



18.6530, 26.9943, 37.3869



20.5968, 26.9943, 50.5792



24.0388, 26.9943, 58.8002

Triad

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



20.5968, 26.9943, 50.5792



34.5250, 26.9943, 34.3873



23.1713, 26.9943, 12.2983

Complementary

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



20.5968, 26.9943, 50.5792



20.7732, 11.4766, 1.1502

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.



27.3468, 26.9943, 11.9088



20.5968, 26.9943, 50.5792



34.2263, 26.9943, 22.6271

Square

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



20.5968, 26.9943, 50.5792



32.2612, 26.9943, 47.8680



31.4853, 26.9943, 15.1427



20.0223, 26.9943, 16.4123

Rectangle

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



20.5968, 26.9943, 50.5792



26.8598, 26.9943, 59.1774



31.4853, 26.9943, 15.1427



24.4912, 26.9943, 11.7794

Sweetspot

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



20.5977, 26.9952, 50.5799



60.8667, 71.5571, 94.8053



17.8310, 35.2285, 7.2170



12.8396, 15.3139, 20.8217



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.



20.5977, 26.9952, 50.5799



37.1030, 48.5026, 91.6078



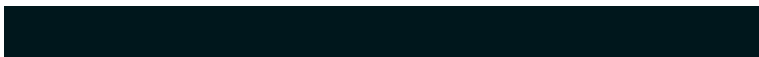
10.6366, 7.0731, 47.2595



9.1351, 9.9475, 11.5180



13.8764, 18.2124, 34.0371



0.5236, 0.7108, 1.2114

Inverse Universe

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



26.1778, 12.8284, 32.1076



47.3230, 23.1692, 57.6377



27.5069, 24.9440, 3.3948



9.3146, 9.1362, 11.0038



17.6178, 8.6209, 21.6721



0.6384, 0.3109, 0.8554

Previews

White Background



This preview shows how the XYZ color 20.5968, 26.9943, 50.5792 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 20.5968, 26.9943, 50.5792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

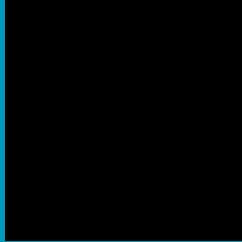
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5968, 26.9943, 50.5792

Background



This preview shows how black text looks on a background with the XYZ color 20.5968, 26.9943, 50.5792.

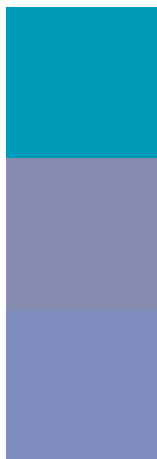


This preview shows how white text looks on a background with the XYZ color 20.5968, 26.9943,

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

20.5968, 26.9943, 50.5792

Protanopia

26.7888, 26.8379, 44.3257

Deuteranopia

27.4290, 26.7721, 52.4371



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

20.5968, 26.9943, 50.5792

Protanomaly

22.0084, 25.4368, 46.3976

Deuteranomaly

22.7904, 25.7188, 51.9071

Tritanomaly

19.6263, 26.8721, 44.7099

Monochromacy



Original Color

20.5968, 26.9943, 50.5792

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.1253, 18.7095, 27.6251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5968, 26.9943, 50.5792 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(1, 155, 186)` looks like.

```
.text, #text, p{  
    color:rgb(1, 155, 186)  
}
```

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(1, 155, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 155, 186) }
```

Border

The CSS property to change the border of an element to XYZ 20.5968, 26.9943, 50.5792 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(1, 155, 186) }
```


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

```
.border{ border-color:rgb(1, 155, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 155, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 155, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 155, 186);  
box-shadow:4px 4px 4px 4px rgb(1, 155,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5968, 26.9943, 50.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 155, 186) }
```

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

```
.background{ background-color: rgb(1, 155,  
186) }
```

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