

Converting Colors

XYZ(20.4390, 26.6718, 50.6090)

Have a look what the booklet for
XYZ(20.4390, 26.6718, 50.6090)
contains.

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Color

**XYZ(20.4185, 26.6564,
50.5234)**

Conversions

Conversions Part 1

Format	Color
Hex	009ABA
RGB	0, 154, 186
RGB Percent	0%, 60%, 73%
CMY	0.9999, 0.3961, 0.2706
CMYK	1.00, 0.17, 0.00, 0.27
HSL	190°, 100%, 36%
HSV	190°, 100%, 73%
XYZ	20.4185, 26.6564, 50.5234
YIQ	111.6020, -102.0560, -22.6960

Conversions

Conversions Part 2

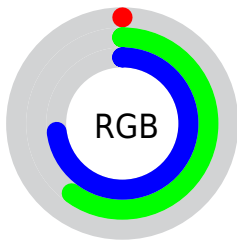
Format	Color
RYB	0, 84, 186
Decimal	39610
CIELab	58.65, -22.33, -26.12
CIELCh	59, 34.367, 229.470
Yxy	26.6564, 0.2092, 0.2731
Android (android.graphics.Color)	4278229690 (0xFF009ABA)
YUV	111.6020, 36.6782, -97.8750
Hunter-Lab	51.6298, -19.7593, -21.8785

Details

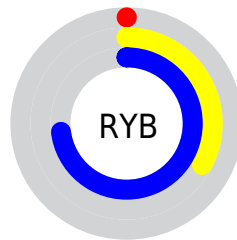
The XYZ color **20.4185, 26.6564, 50.5234** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.7675, 11.4740, 1.1211**, and the grayscale version is **15.2055, 15.9974, 17.4211**.

A 20% lighter version of the original color is **43.6513, 54.4985, 92.2230**, and **9.0839, 11.3940, 23.9108** is the 20% darker color. If you saturate the color by 10%, you get **20.4180, 26.6552, 50.5237**, and if you desaturate by 10%, it is **21.2158, 27.8626, 50.7147**.

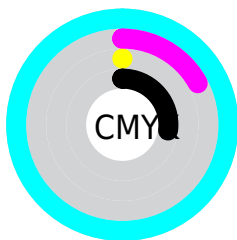
Distribution



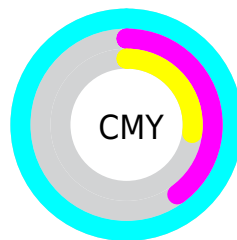
- Red (0%)
- Green (60%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4185, 26.6564, 50.5234 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 20.4185, 26.6564, 50.5234 by changing the saturation by 10% instead.

■ 20.4185, 26.6564,
50.5234

■ 20.4185, 26.6564,
50.5234

■ 246.9624,
285.9896, 405.5028

■ 12.8096, 17.3153,
35.4554

■ 43.6163, 54.3320,
92.3542

■ 7.3737, 10.4596,
23.7275

■ 59.9360, 73.4353,
119.9540

■ 3.7453, 5.7047,
14.9213

■ 79.8900, 96.5615,
152.5681

■ 1.5591, 2.6664,
8.6181

■ 103.8437,
124.0950, 190.6151

■ 0.3655, 0.9601,
4.3996

■ 132.1625,
156.4202, 234.5136

■ 0.0000, 0.0000,
1.8470

■ 165.2116,

■ 0.0000, 0.0000,

193.9214, 284.6820

0.4587

203.3564,
236.9831, 341.5389

■ 0.0000, 0.0000,
0.0000

■ 20.4185, 26.6564,
50.5234

■ 20.4185, 26.6564,
50.5234

■ 20.4180, 26.6552,
50.5237

■ 21.2158, 27.8626,
50.7147

■ 22.2752, 29.2244,
50.9218

■ 23.6892, 30.7904,
51.1495

■ 25.5034, 32.5840,
51.4001

■ 27.7562, 34.6252,
51.6753

■ 30.4815, 36.9317,
51.9769

■ 33.7098, 39.5194,
52.3062

■ 37.4689, 42.4027,
52.6646

■ 41.7848, 45.5951,
53.0533

Harmonies

Analogous

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



18.4274, 26.6564, 37.4835



20.4185, 26.6564, 50.5234



23.8814, 26.6564, 58.4065

Triad

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



20.4185, 26.6564, 50.5234



34.1845, 26.6564, 33.4836



22.7255, 26.6564, 12.1599

Complementary

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



20.4185, 26.6564, 50.5234



20.7675, 11.4740, 1.1211

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.



26.8487, 26.6564, 11.6423



20.4185, 26.6564, 50.5234



33.7862, 26.6564, 21.9443

Square

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



20.4185, 26.6564, 50.5234



32.0205, 26.6564, 46.9052



30.9860, 26.6564, 14.6972



19.6534, 26.6564, 16.3861

Rectangle

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



20.4185, 26.6564, 50.5234



26.6954, 26.6564, 58.5256



30.9860, 26.6564, 14.6972



24.0238, 26.6564, 11.6017

Sweetspot

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



20.4194, 26.6573, 50.5241



60.7763, 71.3764, 94.7752



17.8072, 35.2175, 7.1574



12.8172, 15.2690, 20.8142



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.



20.4194, 26.6573, 50.5241



36.8504, 47.9975, 91.5236



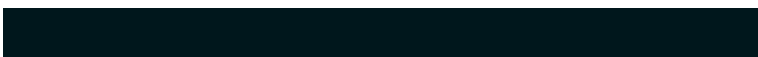
10.5873, 6.9931, 47.2467



9.1317, 9.9405, 11.5169



13.7847, 18.0290, 34.0065



0.5211, 0.7058, 1.2105

Inverse Universe

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



26.0832, 12.7731, 31.6635



47.1956, 23.1182, 56.9664



27.4592, 24.8575, 3.3517



9.3128, 9.1355, 10.9946



17.5715, 8.6024, 21.4284



0.6372, 0.3103, 0.8487

Previews

White Background



This preview shows how the XYZ color 20.4185, 26.6564, 50.5234 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 20.4185, 26.6564, 50.5234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

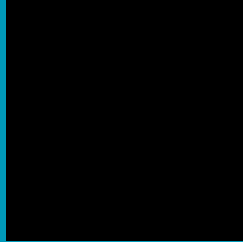
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4185, 26.6564, 50.5234

Background



This preview shows how black text looks on a background with the XYZ color 20.4185, 26.6564, 50.5234.

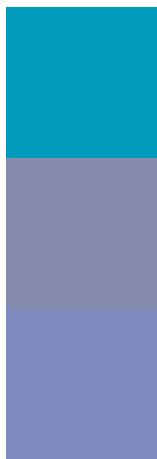


This preview shows how white text looks on a background with the XYZ color 20.4185, 26.6564,

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

20.4185, 26.6564, 50.5234

Protanopia

26.4862, 26.4659, 44.2699

Deuteranopia

26.9869, 26.3303, 52.3751



Tritanopia

18.9564, 26.6041, 41.1818

Trichromacy



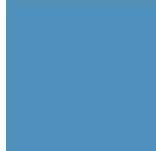
Original Color

20.4185, 26.6564, 50.5234



Protanomaly

21.7661, 25.0860, 46.3427



Deuteranomaly

22.4668, 25.3261, 51.8484



Tritanomaly

19.4592, 26.5378, 44.6541

Monochromacy



Original Color

20.4185, 26.6564, 50.5234



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.8481, 18.3824, 27.1917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4185, 26.6564, 50.5234 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, 154, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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(0, 154, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 186) }
```

Border

The CSS property to change the border of an element to XYZ 20.4185, 26.6564, 50.5234 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, 154, 186) }
```


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

```
.border{ border-color:rgb(0, 154, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4185, 26.6564, 50.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 186) }
```

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

```
.background{ background-color: rgb(0, 154,  
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](#).

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