

Converting Colors

XYZ(7.6603, 18.8384, 49.6017)

Have a look what the booklet for
XYZ(7.6603, 18.8384, 49.6017)
contains.

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Color

**XYZ(19.6104, 25.0401,
50.2540)**

Conversions

Conversions Part 1

Format	Color
Hex	0095BA
RGB	0, 149, 186
RGB Percent	0%, 58%, 73%
CMY	0.9998, 0.4157, 0.2706
CMYK	1.00, 0.20, 0.00, 0.27
HSL	192°, 100%, 36%
HSV	192°, 100%, 73%
XYZ	19.6104, 25.0401, 50.2540
YIQ	108.6670, -100.6810, -20.0810

Conversions

Conversions Part 2

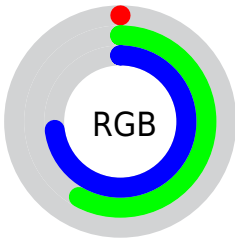
Format	Color
R_{YB}	0, 83, 186
Decimal	38330
CIE _{Lab}	57.11, -19.70, -28.50
CIE _{LCh}	57, 34.646, 235.352
Yxy	25.0401, 0.2066, 0.2638
Android (android.graphics.Color)	4278228410 (0xFF0095BA)
YUV	108.6670, 38.1252, -95.3010
Hunter-Lab	50.0401, -17.6171, -24.5154

Details

The XYZ color **19.6104, 25.0401, 50.2540** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.9129, 11.7648, 1.1697**, and the grayscale version is **14.3612, 15.1092, 16.4539**.

A 20% lighter version of the original color is **42.2068, 51.6095, 91.7415**, and **8.6013, 10.4288, 23.7499** is the 20% darker color. If you saturate the color by 10%, you get **19.6096, 25.0383, 50.2542**, and if you desaturate by 10%, it is **20.4672, 26.3653, 50.4651**.

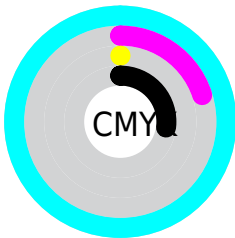
Distribution



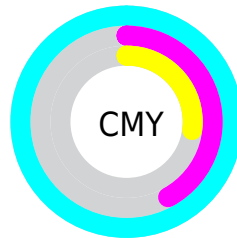
- Red (0%)
- Green (58%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (42%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6104, 25.0401, 50.2540 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 19.6104, 25.0401, 50.2540 by changing the saturation by 10% instead.

■ 19.6104, 25.0401,
50.2540

■ 19.6104, 25.0401,
50.2540

■ 242.6721,
278.0376, 404.4219

■ 12.2188, 16.1069,
35.2427

■ 42.2720, 51.7223,
91.9513

■ 6.9661, 9.5999,
23.5648

■ 58.2726, 70.2401,
119.4743

■ 3.4871, 5.1345,
14.8019

■ 77.8737, 92.7215,
152.0050

■ 1.4163, 2.3264,
8.5354

■ 101.4404,
119.5510, 189.9618

■ 0.2678, 0.7876,
4.3468

■ 129.3383,
151.1130, 233.7634

■ 0.0000, 0.0000,
1.8174

■ 161.9326,

■ 0.0000, 0.0000,

187.7918, 283.8282

0.4394

199.5888,
229.9719, 340.5749

■ 0.0000, 0.0000,
0.0000

■ 19.6104, 25.0401,
50.2540

■ 19.6104, 25.0401,
50.2540

■ 19.6096, 25.0383,
50.2542

■ 20.4672, 26.3653,
50.4651

■ 21.5908, 27.8555,
50.6935

■ 23.0738, 29.5590,
50.9442

■ 24.9615, 31.4996,
51.2193

■ 27.2927, 33.6973,
51.5206

■ 30.1011, 36.1700,
51.8499

■ 33.4175, 38.9336,
52.2085

■ 37.2697, 42.0027,
52.5979

■ 41.6835, 45.3908,
53.0192

Harmonies

Analogous

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



17.3879, 25.0401, 38.0669



19.6104, 25.0401, 50.2540



23.1695, 25.0401, 56.3683

Triad

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



19.6104, 25.0401, 50.2540



32.5119, 25.0401, 29.1269



20.5947, 25.0401, 11.5774

Complementary

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



19.6104, 25.0401, 50.2540



20.9129, 11.7648, 1.1697

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.



24.4416, 25.0401, 10.4358



19.6104, 25.0401, 50.2540



31.6212, 25.0401, 18.7273

Square

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



19.6104, 25.0401, 50.2540



30.8588, 25.0401, 42.1459



28.5472, 25.0401, 12.6373



17.9090, 25.0401, 16.3769

Rectangle

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



19.6104, 25.0401, 50.2540



25.9390, 25.0401, 55.1948



28.5472, 25.0401, 12.6373



21.7817, 25.0401, 10.8245

Sweetspot

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



19.6113, 25.0410, 50.2546



60.2363, 70.2963, 94.5951



17.8502, 35.2347, 7.3835



12.6832, 15.0010, 20.7696



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.



19.6113, 25.0410, 50.2546



35.3680, 45.0326, 91.0295



10.4237, 6.6659, 47.1921



9.1108, 9.8988, 11.5099



13.2460, 16.9517, 33.8269



0.5062, 0.6760, 1.2056

Inverse Universe

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



25.6753, 12.6100, 29.5153



46.4473, 22.8189, 53.0261



27.8541, 25.6472, 3.4835



9.3023, 9.1313, 10.9392



17.2997, 8.4936, 19.9966



0.6296, 0.3073, 0.8091

Previews

White Background



This preview shows how the XYZ color 19.6104, 25.0401, 50.2540 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 19.6104, 25.0401, 50.2540 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 19.6104, 25.0401, 50.2540

Background



This preview shows how black text looks on a background with the XYZ color 19.6104, 25.0401, 50.2540.

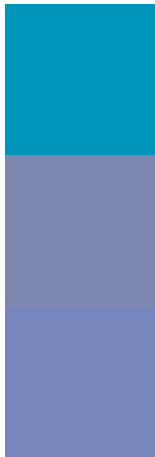


This preview shows how white text looks on a background with the XYZ color 19.6104, 25.0401,

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

19.6104, 25.0401, 50.2540

Protanopia

25.0060, 24.8587, 44.0377

Deuteranopia

25.4570, 24.9240, 51.6132



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



Original Color

19.6104, 25.0401, 50.2540

Protanomaly

20.8230, 23.7163, 46.1280

Deuteranomaly

21.4357, 23.9235, 51.0649

Tritanomaly

18.5130, 25.1118, 42.9010

Monochromacy



Original Color

19.6104, 25.0401, 50.2540

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1773, 17.4867, 26.2950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6104, 25.0401, 50.2540 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, 149, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 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, 149, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 186) }
```

Border

The CSS property to change the border of an element to XYZ 19.6104, 25.0401, 50.2540 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, 149, 186) }
```


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

```
.border{ border-color:rgb(0, 149, 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, 149, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6104, 25.0401, 50.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 186) }
```

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

```
.background{ background-color: rgb(0, 149,  
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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