

Converting Colors

XYZ(13.5413, 22.2213, 48.2463)

Have a look what the booklet for
XYZ(13.5413, 22.2213, 48.2463)
contains.

XYZ(19.4536, 25.2316, 48.6446)	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(19.4536, 25.2316,
48.6446)**

Conversions

Conversions Part 1

Format	Color
Hex	0096B7
RGB	0, 150, 183
RGB Percent	0%, 59%, 72%
CMY	0.9999, 0.4118, 0.2823
CMYK	1.00, 0.18, 0.00, 0.28
HSL	191°, 100%, 36%
HSV	191°, 100%, 72%
XYZ	19.4536, 25.2316, 48.6446
YIQ	108.9120, -99.9930, -21.5370

Conversions

Conversions Part 2

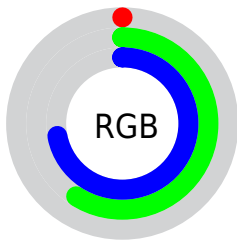
Format	Color
RYB	0, 82, 183
Decimal	38583
CIELab	57.30, -21.29, -26.51
CIELCh	57, 34.002, 231.238
Yxy	25.2316, 0.2084, 0.2703
Android (android.graphics.Color)	4278228663 (0xFF0096B7)
YUV	108.9120, 36.5254, -95.5158
Hunter-Lab	50.2311, -18.7745, -22.2557

Details

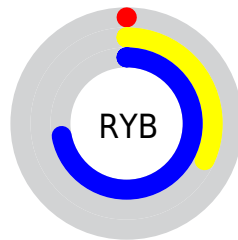
The XYZ color **19.4536, 25.2316, 48.6446** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.0737, 11.1572, 1.0966**, and the grayscale version is **14.4344, 15.1861, 16.5377**.

A 20% lighter version of the original color is **41.8922, 51.8506, 89.4616**, and **8.4911, 10.5354, 22.7051** is the 20% darker color. If you saturate the color by 10%, you get **19.4529, 25.2301, 48.6449**, and if you desaturate by 10%, it is **20.2439, 26.4324, 48.8352**.

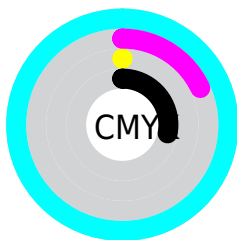
Distribution



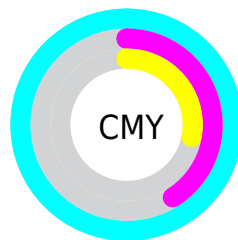
- Red (0%)
- Green (59%)
- Blue (72%)



- Red (0%)
- Yellow (32%)
- Blue (72%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (41%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4536, 25.2316, 48.6446 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 19.4536, 25.2316, 48.6446 by changing the saturation by 10% instead.

■ 19.4536, 25.2316,
48.6446

■ 19.4536, 25.2316,
48.6446

■ 241.8319,
278.9894, 397.9237

■ 12.1044, 16.2497,
33.9740

■ 42.0102, 52.0327,
89.5389

■ 6.8876, 9.7010,
22.5964

■ 57.9483, 70.6207,
116.5997

■ 3.4376, 5.2012,
14.0933

■ 77.4801, 93.1795,
148.6276

■ 1.3892, 2.3658,
8.0461

■ 100.9709,
120.0935, 186.0413

■ 0.2485, 0.8082,
4.0363

■ 128.7862,
151.7470, 229.2592

■ 0.0000, 0.0000,
1.6453

■ 161.2912,

■ 0.0000, 0.0000,

188.5246, 278.6999

0.3228

198.8513,
230.8106, 334.7818

■ 0.0000, 0.0000,
0.0000

■ 19.4536, 25.2316,
48.6446

■ 19.4536, 25.2316,
48.6446

■ 19.4529, 25.2301,
48.6449

■ 20.2439, 26.4324,
48.8352

■ 21.2872, 27.7854,
49.0414

■ 22.6736, 29.3376,
49.2679

■ 24.4465, 31.1116,
49.5169

■ 26.6431, 33.1268,
49.7901

■ 29.2958, 35.4000,
50.0891

■ 32.4340, 37.9466,
50.4152

■ 36.0845, 40.7804,
50.7698

■ 40.2721, 43.9145,
51.1540

Harmonies

Analogous

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



17.4648, 25.2316, 36.3138



19.4536, 25.2316, 48.6446



22.8217, 25.2316, 55.7326

Triad

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



19.4536, 25.2316, 48.6446



32.4770, 25.2316, 30.9910



21.2851, 25.2316, 11.5543

Complementary

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



19.4536, 25.2316, 48.6446



20.0737, 11.1572, 1.0966

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.



25.1807, 25.2316, 10.8683



19.4536, 25.2316, 48.6446



31.9468, 25.2316, 20.1978

Square

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



19.4536, 25.2316, 48.6446



30.5401, 25.2316, 43.8258



29.1634, 25.2316, 13.5560



18.4370, 25.2316, 15.7971

Rectangle

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



19.4536, 25.2316, 48.6446



25.5227, 25.2316, 55.4663



29.1634, 25.2316, 13.5560



22.5044, 25.2316, 10.9582

Sweetspot

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



19.4545, 25.2325, 48.6452



57.7762, 67.7134, 90.2606



17.1753, 33.9641, 6.9146



12.2195, 14.5213, 19.8805



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.



19.4545, 25.2325, 48.6452



34.6841, 44.8753, 87.0695



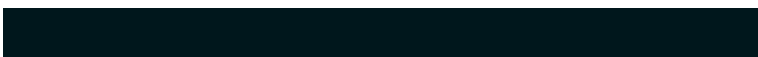
10.2179, 6.7593, 45.5664



9.1252, 9.9277, 11.5147



13.6162, 17.6921, 33.9503



0.5164, 0.6965, 1.2090

Inverse Universe

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



25.0342, 12.2703, 29.9039



44.7553, 21.9424, 53.1383



26.4900, 23.9897, 3.2354



9.3096, 9.1342, 10.9775



17.4865, 8.5684, 20.9806



0.6348, 0.3094, 0.8364

Previews

White Background



This preview shows how the XYZ color 19.4536, 25.2316, 48.6446 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 19.4536, 25.2316, 48.6446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

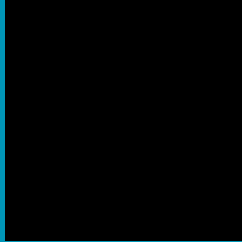
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4536, 25.2316, 48.6446

Background



This preview shows how black text looks on a background with the XYZ color 19.4536, 25.2316, 48.6446.

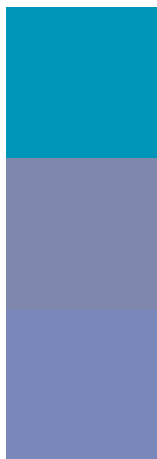


This preview shows how white text looks on a background with the XYZ color 19.4536, 25.2316,

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

19.4536, 25.2316, 48.6446

Protanopia

25.0125, 24.8957, 42.5168

Deuteranopia

25.5529, 25.0107, 49.9351



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



Original Color

19.4536, 25.2316, 48.6446

Protanomaly

20.6079, 23.6401, 44.5511

Deuteranomaly

21.2769, 23.8787, 49.3866

Tritanomaly

18.4173, 25.0735, 42.3971

Monochromacy



Original Color

19.4536, 25.2316, 48.6446

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1058, 17.4581, 25.9188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4536, 25.2316, 48.6446 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, 150, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 183)  
}
```

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, 150, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 183) }
```

Border

The CSS property to change the border of an element to XYZ 19.4536, 25.2316, 48.6446 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, 150, 183) }
```


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

```
.border{ border-color:rgb(0, 150, 183) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4536, 25.2316, 48.6446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 183) }
```

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

```
.background{ background-color: rgb(0, 150,  
183) }
```

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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