

Converting Colors

XYZ(19.8849, 24.6794, 53.1501)

Have a look what the booklet for
XYZ(19.8849, 24.6794, 53.1501)
contains.

XYZ(19.8377, 24.6290, 52.9985)	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(19.8377, 24.6290,
52.9985)**

Conversions

Conversions Part 1

Format	Color
Hex	0093BF
RGB	0, 147, 191
RGB Percent	0%, 58%, 75%
CMY	0.9998, 0.4235, 0.2510
CMYK	1.00, 0.23, 0.00, 0.25
HSL	194°, 100%, 37%
HSV	194°, 100%, 75%
XYZ	19.8377, 24.6290, 52.9985
YIQ	108.0630, -101.7360, -17.4800

Conversions

Conversions Part 2

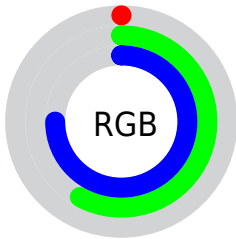
Format	Color
RYB	0, 83, 191
Decimal	37823
CIELab	56.71, -16.83, -31.96
CIELCh	57, 36.118, 242.234
Yxy	24.6290, 0.2035, 0.2527
Android (android.graphics.Color)	4278227903 (0xFF0093BF)
YUV	108.0630, 40.8879, -94.7713
Hunter-Lab	49.6276, -15.4963, -28.5779

Details

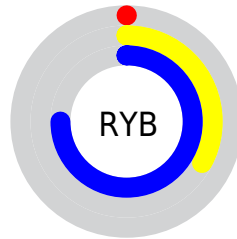
The XYZ color **19.8377, 24.6290, 52.9985** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.3885, 12.8811, 1.3075**, and the grayscale version is **14.1848, 14.9235, 16.2517**.

A 20% lighter version of the original color is **42.7597, 51.0920, 96.4150**, and **8.6982, 10.1719, 25.1718** is the 20% darker color. If you saturate the color by 10%, you get **19.8365, 24.6265, 52.9986**, and if you desaturate by 10%, it is **20.8069, 26.1645, 53.2443**.

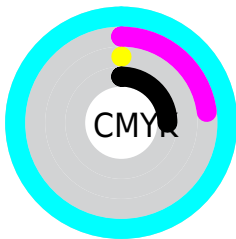
Distribution



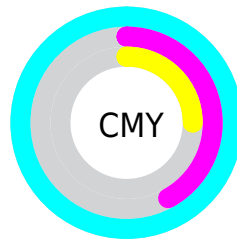
- Red (0%)
- Green (58%)
- Blue (75%)



- Red (0%)
- Yellow (33%)
- Blue (75%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (42%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8377, 24.6290, 52.9985 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 19.8377, 24.6290, 52.9985 by changing the saturation by 10% instead.

■ 19.8377, 24.6290,
52.9985

■ 19.8377, 24.6290,
52.9985

■ 243.8855,
275.9853, 415.3455

■ 12.3847, 15.8009,
37.4139

■ 42.6509, 51.0547,
96.0437

■ 7.0803, 9.3834,
25.2298

■ 58.7419, 69.4211,
124.3413

■ 3.5591, 4.9921,
16.0278

■ 78.4428, 91.7356,
157.7137

■ 1.4559, 2.2426,
9.3892

■ 102.1192,
118.3828, 196.5793

■ 0.2955, 0.7431,
4.8957

■ 130.1363,
149.7469, 241.3568

■ 0.0000, 0.0000,
2.1285

■ 162.8594,

■ 0.0000, 0.0000,

186.2125, 292.4646

0.6327

200.6541,
228.1638, 350.3213

■ 0.0000, 0.0000,
0.0000

■ 19.8377, 24.6290,
52.9985

■ 19.8377, 24.6290,
52.9985

■ 19.8365, 24.6265,
52.9986

■ 20.8069, 26.1645,
53.2443

■ 22.0679, 27.8893,
53.5108

■ 23.7173, 29.8541,
53.8031

■ 25.8039, 32.0844,
54.1236

■ 28.3691, 34.6019,
54.4743

■ 31.4492, 37.4258,
54.8570

■ 35.0769, 40.5733,
55.2734

■ 39.2822, 44.0602,
55.7248

■ 44.0926, 47.9012,
56.2126

Harmonies

Analogous

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



17.2091, 24.6290, 41.1764



19.8377, 24.6290, 52.9985



23.7260, 24.6290, 57.2842

Triad

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



19.8377, 24.6290, 52.9985



32.4630, 24.6290, 25.9234



19.3524, 24.6290, 11.6010

Complementary

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



19.8377, 24.6290, 52.9985



22.3885, 12.8811, 1.3075

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.



23.0950, 24.6290, 9.6842



19.8377, 24.6290, 52.9985



30.9438, 24.6290, 16.2566

Square

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



19.8377, 24.6290, 52.9985



31.3254, 24.6290, 39.1284



27.3854, 24.6290, 11.0918



16.9534, 24.6290, 17.4036

Rectangle

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



19.8377, 24.6290, 52.9985



26.6069, 24.6290, 54.5013



27.3854, 24.6290, 11.0918



20.4784, 24.6290, 10.5752

Sweetspot

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



19.8386, 24.6298, 52.9991



62.4753, 72.3719, 98.9555



19.0391, 37.4253, 8.3565



13.0876, 15.3506, 21.6585



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.8386, 24.6298, 52.9991



35.3335, 43.7189, 94.8555



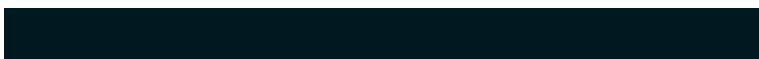
10.7306, 6.4140, 49.9631



9.6171, 10.4266, 12.1779



13.0995, 16.3106, 34.8508



0.5595, 0.7317, 1.3806

Inverse Universe

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



26.7531, 13.1840, 28.7392



47.8147, 23.5712, 50.9498



30.4172, 28.9383, 3.9837



9.8334, 9.6576, 11.5114



17.6128, 8.6763, 19.0523



0.7133, 0.3492, 0.8696

Previews

White Background



This preview shows how the XYZ color 19.8377, 24.6290, 52.9985 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 19.8377, 24.6290, 52.9985 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 19.8377, 24.6290, 52.9985

Background



This preview shows how black text looks on a background with the XYZ color 19.8377, 24.6290, 52.9985.

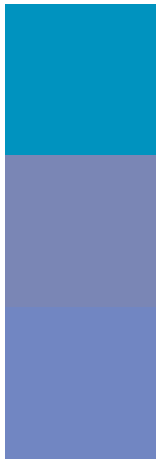


This preview shows how white text looks on a background with the XYZ color 19.8377, 24.6290,

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

19.8377, 24.6290, 52.9985

Protanopia

24.8916, 24.5240, 47.1377

Deuteranopia

25.0728, 24.4559, 54.4379



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

19.8377, 24.6290, 52.9985

Protanomaly

21.1315, 23.5877, 49.3381

Deuteranomaly

21.5307, 23.6932, 53.8905

Tritanomaly

18.4492, 24.8298, 43.3554

Monochromacy



Original Color

19.8377, 24.6290, 52.9985

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0012, 17.0193, 26.5919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8377, 24.6290, 52.9985 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, 147, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 191)  
}
```

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, 147, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 191) }
```

Border

The CSS property to change the border of an element to XYZ 19.8377, 24.6290, 52.9985 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, 147, 191) }
```


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

```
.border{ border-color:rgb(0, 147, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8377, 24.6290, 52.9985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 191) }
```

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

```
.background{ background-color: rgb(0, 147,  
191) }
```

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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