

Converting Colors

XYZ(6.2606, 16.9081, 51.9170)

Have a look what the booklet for
XYZ(6.2606, 16.9081, 51.9170)
contains.

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Color

**XYZ(19.2675, 23.6642,
52.2673)**

Conversions

Conversions Part 1

Format	Color
Hex	0090BE
RGB	0, 144, 190
RGB Percent	0%, 56%, 75%
CMY	0.9998, 0.4353, 0.2549
CMYK	1.00, 0.24, 0.00, 0.25
HSL	195°, 100%, 37%
HSV	195°, 100%, 75%
XYZ	19.2675, 23.6642, 52.2673
YIQ	106.1880, -100.5900, -16.2220

Conversions

Conversions Part 2

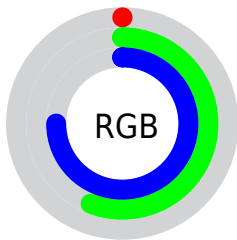
Format	Color
RYB	0, 82, 190
Decimal	37054
CIELab	55.75, -15.55, -32.89
CIELCh	56, 36.381, 244.699
Yxy	23.6642, 0.2024, 0.2486
Android (android.graphics.Color)	4278227134 (0xFF0090BE)
YUV	106.1880, 41.3193, -93.1269
Hunter-Lab	48.6459, -14.4305, -29.6517

Details

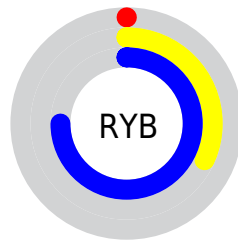
The XYZ color **19.2675, 23.6642, 52.2673** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.2141, 12.9043, 1.3211**, and the grayscale version is **13.6646, 14.3762, 15.6557**.

A 20% lighter version of the original color is **41.8065, 49.5904, 95.3642**, and **8.4466, 9.7830, 24.7357** is the 20% darker color. If you saturate the color by 10%, you get **19.2664, 23.6619, 52.2674**, and if you desaturate by 10%, it is **20.2483, 25.2259, 52.5175**.

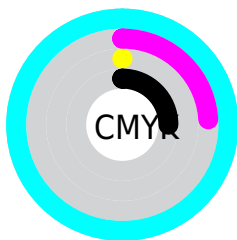
Distribution



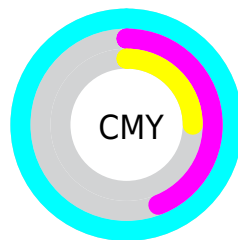
- Red (0%)
- Green (56%)
- Blue (75%)



- Red (0%)
- Yellow (32%)
- Blue (75%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (44%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2675, 23.6642, 52.2673 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 19.2675, 23.6642, 52.2673 by changing the saturation by 10% instead.

■ 19.2675, 23.6642,
52.2673

■ 19.2675, 23.6642,
52.2673

240.8314,
271.1184, 412.4539

■ 11.9689, 15.0847,
36.8345

■ 41.6990, 49.4817,
94.9559

■ 6.7945, 8.8789,
24.7846

■ 57.5626, 67.4884,
123.0488

■ 3.3791, 4.6623,
15.6991

■ 77.0119, 89.4064,
156.1988

■ 1.3573, 2.0505,
9.1594

■ 100.4123,
115.6200, 194.8244

■ 0.2255, 0.6366,
4.7471

■ 128.1290,
146.5136, 239.3441

■ 0.0000, 0.0000,
2.0435

■ 160.5276,

■ 0.0000, 0.0000,

182.4716, 290.1766

0.5818

197.9733,
223.8784, 347.7404

■ 0.0000, 0.0000,
0.0000

■ 19.2675, 23.6642,
52.2673

■ 19.2675, 23.6642,
52.2673

■ 19.2664, 23.6619,
52.2674

■ 20.2483, 25.2259,
52.5175

■ 21.5197, 26.9796,
52.7890

■ 23.1774, 28.9757,
53.0869

■ 25.2697, 31.2394,
53.4136

■ 27.8375, 33.7923,
53.7710

■ 30.9167, 36.6534,
54.1610

■ 34.5395, 39.8396,
54.5850

■ 38.7356, 43.3668,
55.0447

■ 43.5322, 47.2495,
55.5413

Harmonies

Analogous

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



16.5770, 23.6642, 40.9949



19.2675, 23.6642, 52.2673



23.1487, 23.6642, 55.7121

Triad

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



19.2675, 23.6642, 52.2673



31.3668, 23.6642, 23.9484



18.2693, 23.6642, 11.2312

Complementary

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



19.2675, 23.6642, 52.2673



22.2141, 12.9043, 1.3211

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.



21.8480, 23.6642, 9.1017



19.2675, 23.6642, 52.2673



29.6696, 23.6642, 14.8708

Square

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



19.2675, 23.6642, 52.2673



30.4586, 23.6642, 36.7538



26.0578, 23.6642, 10.1942



16.0520, 23.6642, 17.2209

Rectangle

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



19.2675, 23.6642, 52.2673



25.9746, 23.6642, 52.4290



26.0578, 23.6642, 10.1942



19.3357, 23.6642, 10.1399

Sweetspot

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



19.2683, 23.6650, 52.2679



62.2332, 71.8877, 98.8748



18.8756, 37.0121, 8.5680



13.0279, 15.2311, 21.6386



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.



19.2683, 23.6650, 52.2679



34.7095, 42.4708, 94.6474



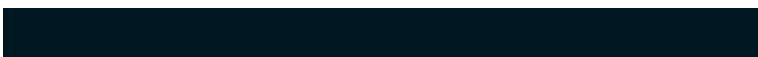
10.4654, 6.0591, 49.3336



9.6075, 10.4074, 12.1747



12.8746, 15.8608, 34.7758



0.5523, 0.7172, 1.3782

Inverse Universe

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



26.2700, 12.9618, 27.5035



47.4997, 23.4452, 49.2910



30.5182, 29.5124, 4.0891



9.8285, 9.6557, 11.4859



17.4992, 8.6309, 18.4545



0.7097, 0.3478, 0.8504

Previews

White Background



This preview shows how the XYZ color 19.2675, 23.6642, 52.2673 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 19.2675, 23.6642, 52.2673 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 19.2675, 23.6642, 52.2673

Background



This preview shows how black text looks on a background with the XYZ color 19.2675, 23.6642, 52.2673.

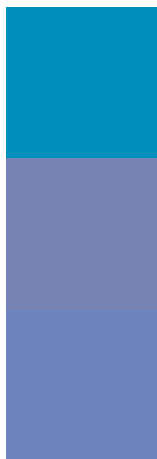


This preview shows how white text looks on a background with the XYZ color 19.2675, 23.6642,

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

19.2675, 23.6642, 52.2673

Protanopia

23.9623, 23.4498, 46.4433

Deuteranopia

24.1836, 23.6040, 53.7335



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



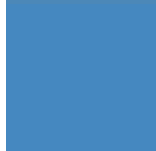
Original Color

19.2675, 23.6642, 52.2673



Protanomaly

20.4364, 22.6055, 48.6336



Deuteranomaly

20.7728, 22.6793, 53.1519



Tritanomaly

17.6894, 23.7697, 41.6859

Monochromacy



Original Color

19.2675, 23.6642, 52.2673



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

13.5466, 16.4324, 26.1247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2675, 23.6642, 52.2673 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, 144, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 190)  
}
```

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, 144, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 190) }
```

Border

The CSS property to change the border of an element to XYZ 19.2675, 23.6642, 52.2673 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, 144, 190) }
```


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

```
.border{ border-color:rgb(0, 144, 190) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2675, 23.6642, 52.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 190) }
```

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

```
.background{ background-color: rgb(0, 144,  
190) }
```

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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