

Converting Colors

XYZ(8.0631, 13.9485, 52.9813)

Have a look what the booklet for
XYZ(8.0631, 13.9485, 52.9813)
contains.

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Color

**XYZ(16.9593, 18.5175,
53.1325)**

Conversions

Conversions Part 1

Format	Color
Hex	007DC1
RGB	0, 125, 193
RGB Percent	0%, 49%, 76%
CMY	0.9998, 0.5098, 0.2431
CMYK	1.00, 0.35, 0.00, 0.24
HSL	201°, 100%, 38%
HSV	201°, 100%, 76%
XYZ	16.9593, 18.5175, 53.1325
YIQ	95.3770, -96.3280, -5.3520

Conversions

Conversions Part 2

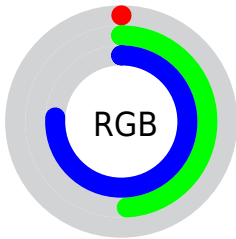
Format	Color
RYB	0, 76, 193
Decimal	32193
CIELab	50.12, -3.50, -43.46
CIELCh	50, 43.602, 265.392
Yxy	18.5175, 0.1914, 0.2090
Android (android.graphics.Color)	4278222273 (0xFF007DC1)
YUV	95.3770, 48.1281, -83.6456
Hunter-Lab	43.0320, -4.9574, -43.0843

Details

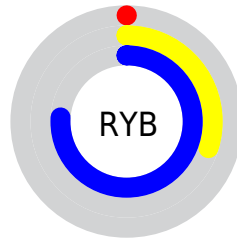
The XYZ color **16.9593, 18.5175, 53.1325** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **24.0625, 15.4772, 1.7204**, and the grayscale version is **10.8756, 11.4420, 12.4604**.

A 20% lighter version of the original color is **37.8013, 40.8332, 96.3317**, and **7.3141, 7.1718, 25.4249** is the 20% darker color. If you saturate the color by 10%, you get **16.9575, 18.5139, 53.1323**, and if you desaturate by 10%, it is **18.1256, 20.4413, 53.4428**.

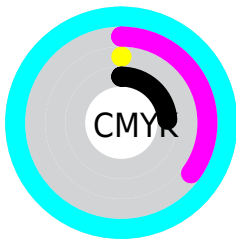
Distribution



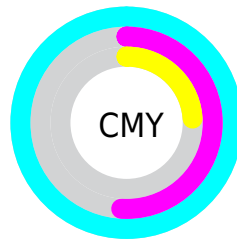
- Red (0%)
- Green (49%)
- Blue (76%)



- Red (0%)
- Yellow (30%)
- Blue (76%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (51%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9593, 18.5175, 53.1325 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 16.9593, 18.5175, 53.1325 by changing the saturation by 10% instead.

■ 16.9593, 18.5175,
53.1325

■ 16.9593, 18.5175,
53.1325

■ 228.0985,
243.7720, 415.8740

■ 10.3006, 11.3222,
37.5201

■ 37.7999, 40.9172,
96.2428

■ 5.6625, 6.2840,
25.3115

■ 52.7126, 56.8903,
124.5779

■ 2.6797, 3.0185,
16.0882

■ 71.1073, 76.5582,
157.9908

■ 0.9867, 1.1414,
9.4315

■ 93.3493, 100.3051,
196.9003

■ 0.0000, 0.0130,
4.9231

■ 119.8041,
128.5156, 241.7248

■ 0.0000, 0.0000,
2.1442

■ 150.8370,

■ 0.0000, 0.0000,

161.5740, 292.8829

0.6419

186.8134,
199.8646, 350.7931

■ 0.0000, 0.0000,
0.0000

■ 16.9593, 18.5175,
53.1325

■ 16.9593, 18.5175,
53.1325

■ 16.9575, 18.5139,
53.1323

■ 18.1256, 20.4413,
53.4428

■ 19.6244, 22.6255,
53.7854

■ 21.5549, 25.1232,
54.1657

■ 23.9680, 27.9621,
54.5865

■ 26.9067, 31.1660,
55.0500

■ 30.4093, 34.7562,
55.5584

■ 34.5099, 38.7517,
56.1135

■ 39.2400, 43.1702,
56.7170

■ 44.6287, 48.0281,
57.3707

Harmonies

Analogous

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



13.3993, 18.5175, 45.8280



16.9593, 18.5175, 53.1325



21.2966, 18.5175, 49.1167

Triad

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



16.9593, 18.5175, 53.1325



25.9533, 18.5175, 11.7798



11.7535, 18.5175, 9.6702

Complementary

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



16.9593, 18.5175, 53.1325



24.0625, 15.4772, 1.7204

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.



14.3586, 18.5175, 5.6520



16.9593, 18.5175, 53.1325



22.5987, 18.5175, 6.4860

Square

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



16.9593, 18.5175, 53.1325



26.9429, 18.5175, 22.0787



18.2573, 18.5175, 4.7762



10.7137, 18.5175, 18.3603

Rectangle

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



16.9593, 18.5175, 53.1325



24.0007, 18.5175, 41.1641



18.2573, 18.5175, 4.7762



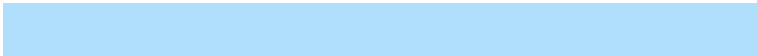
12.4528, 18.5175, 7.8887

Sweetspot

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



16.9600, 18.5181, 53.1330



61.4192, 69.0339, 100.4480



20.1013, 38.5528, 11.7837



12.4831, 14.1417, 21.4570



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.



16.9600, 18.5181, 53.1330



30.1306, 32.6777, 95.0797



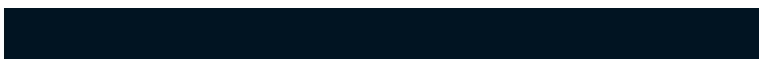
10.0653, 4.7287, 50.8348



10.0602, 10.8117, 12.8415



11.3561, 12.4686, 35.3648



0.5535, 0.6643, 1.5489

Inverse Universe

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



25.6947, 12.8192, 20.5225



45.8953, 22.9082, 36.1074



35.2785, 37.9091, 5.4591



10.3417, 10.1853, 11.8898



17.1280, 8.5410, 13.8520



0.7717, 0.3817, 0.7654

Previews

White Background



This preview shows how the XYZ color 16.9593, 18.5175, 53.1325 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 16.9593, 18.5175, 53.1325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

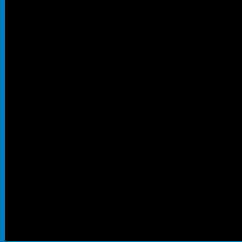
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9593, 18.5175, 53.1325

Background



This preview shows how black text looks on a background with the XYZ color 16.9593, 18.5175, 53.1325.



This preview shows how white text looks on a background with the XYZ color 16.9593, 18.5175,

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

16.9593, 18.5175, 53.1325

Protanopia

19.6324, 18.5525, 48.4452

Deuteranopia

19.0069, 18.4664, 53.6015



Tritanopia

13.1337, 18.4555, 28.4612

Trichromacy



Original Color

16.9593, 18.5175, 53.1325

Protanomaly

17.5972, 17.9936, 50.1226

Deuteranomaly

17.7017, 18.1506, 53.6094

Tritanomaly

14.2833, 18.2737, 36.4926

Monochromacy



Original Color

16.9593, 18.5175, 53.1325

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.1142, 12.9074, 23.3783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9593, 18.5175, 53.1325 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, 125, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 193)  
}
```

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, 125, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 193) }
```

Border

The CSS property to change the border of an element to XYZ 16.9593, 18.5175, 53.1325 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, 125, 193) }
```


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

```
.border{ border-color:rgb(0, 125, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9593, 18.5175, 53.1325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 193) }
```

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

```
.background{ background-color: rgb(0, 125,  
193) }
```

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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