

Converting Colors

XYZ(16.7849, 18.4795, 52.1168)

Have a look what the booklet for
XYZ(16.7849, 18.4795, 52.1168)
contains.

XYZ(16.7376, 18.4288, 51.9652)	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(16.7376, 18.4288,
51.9652)**

Conversions

Conversions Part 1

Format	Color
Hex	007DBF
RGB	0, 125, 191
RGB Percent	0%, 49%, 75%
CMY	0.9998, 0.5098, 0.2510
CMYK	1.00, 0.35, 0.00, 0.25
HSL	201°, 100%, 37%
HSV	201°, 100%, 75%
XYZ	16.7376, 18.4288, 51.9652
YIQ	95.1490, -95.6860, -5.9740

Conversions

Conversions Part 2

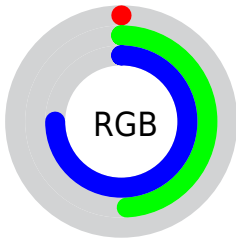
Format	Color
RYB	0, 76, 191
Decimal	32191
CIELab	50.01, -4.28, -42.48
CIElCh	50, 42.697, 264.248
Yxy	18.4288, 0.1921, 0.2115
Android (android.graphics.Color)	4278222271 (0xFF007DBF)
YUV	95.1490, 47.2545, -83.4457
Hunter-Lab	42.9288, -5.5296, -41.7203

Details

The XYZ color **16.7376, 18.4288, 51.9652** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **23.4369, 14.9778, 1.6569**, and the grayscale version is **10.8229, 11.3865, 12.3999**.

A 20% lighter version of the original color is **37.3847, 40.6545, 94.6837**, and **7.1692, 7.1139, 24.6622** is the 20% darker color. If you saturate the color by 10%, you get **16.7360, 18.4255, 51.9650**, and if you desaturate by 10%, it is **17.8728, 20.2964, 52.2663**.

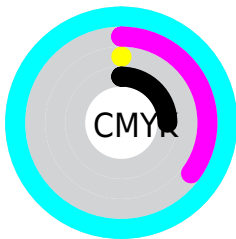
Distribution



- Red (0%)
- Green (49%)
- Blue (75%)



- Red (0%)
- Yellow (30%)
- Blue (75%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (51%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7376, 18.4288, 51.9652 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 16.7376, 18.4288, 51.9652 by changing the saturation by 10% instead.

■ 16.7376, 18.4288,
51.9652

■ 16.7376, 18.4288,
51.9652

■ 226.8415,
243.2770, 411.2554

■ 10.1417, 11.2583,
36.5953

■ 37.4213, 40.7666,
94.5060

■ 5.5560, 6.2408,
24.6010

■ 52.2398, 56.7028,
122.5139

■ 2.6151, 2.9921,
15.5637

■ 70.5299, 76.3295,
155.5716

■ 0.9537, 1.1276,
9.0650

■ 92.6569, 100.0313,
194.0976

■ 0.0000, 0.0013,
4.6862

■ 118.9862,
128.1926, 238.5104

■ 0.0000, 0.0000,
2.0088

■ 149.8832,

■ 0.0000, 0.0000,

161.1977, 289.2287

0.5607

185.7132,
199.4310, 346.6708

■ 0.0000, 0.0000,
0.0000

■ 16.7376, 18.4288,
51.9652

■ 16.7376, 18.4288,
51.9652

■ 16.7360, 18.4255,
51.9650

■ 17.8728, 20.2964,
52.2663

■ 19.3301, 22.4138,
52.5982

■ 21.2066, 24.8329,
52.9662

■ 23.5520, 27.5806,
53.3729

■ 26.4081, 30.6801,
53.8207

■ 29.8121, 34.1519,
54.3114

■ 33.7973, 38.0144,
54.8469

■ 38.3943, 42.2848,
55.4288

■ 43.6312, 46.9789,
56.0589

Harmonies

Analogous

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



13.3010, 18.4288, 44.5391



16.7376, 18.4288, 51.9652



20.9581, 18.4288, 48.5022

Triad

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



16.7376, 18.4288, 51.9652



25.7341, 18.4288, 12.1468



11.8644, 18.4288, 9.5521

Complementary

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



16.7376, 18.4288, 51.9652



23.4369, 14.9778, 1.6569

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.



14.4731, 18.4288, 5.7153



16.7376, 18.4288, 51.9652



22.5389, 18.4288, 6.7521

Square

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



16.7376, 18.4288, 51.9652



26.5913, 18.4288, 22.4152



18.3182, 18.4288, 4.9400



10.7835, 18.4288, 17.8866

Rectangle

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



16.7376, 18.4288, 51.9652



23.6143, 18.4288, 40.9789



18.3182, 18.4288, 4.9400



12.5699, 18.4288, 7.8469

Sweetspot

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



16.7383, 18.4294, 51.9657



60.1507, 67.7228, 98.1807



19.5482, 37.6289, 11.0379



12.5158, 14.2070, 21.4679



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.



16.7383, 18.4294, 51.9657



29.7383, 32.5285, 92.9904



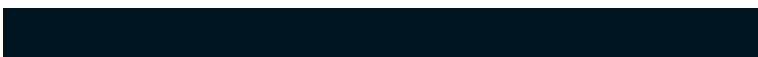
9.9175, 4.7878, 49.6921



9.5234, 10.2392, 12.1466



11.0760, 12.2637, 34.1763



0.4927, 0.5980, 1.3583

Inverse Universe

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



25.1882, 12.5581, 20.4988



44.9905, 22.4415, 36.0777



33.9144, 35.9328, 5.1494



9.7861, 9.6387, 11.2624



16.5914, 8.2677, 13.6739



0.6796, 0.3357, 0.6919

Previews

White Background



This preview shows how the XYZ color 16.7376, 18.4288, 51.9652 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 16.7376, 18.4288, 51.9652 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 16.7376, 18.4288, 51.9652

Background



This preview shows how black text looks on a background with the XYZ color 16.7376, 18.4288, 51.9652.



This preview shows how white text looks on a background with the XYZ color 16.7376, 18.4288,

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

16.7376, 18.4288, 51.9652

Protanopia

19.4087, 18.2894, 47.3070

Deuteranopia

18.9353, 18.4553, 52.4334



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

16.7376, 18.4288, 51.9652

Protanomaly

17.3232, 17.6995, 48.9577

Deuteranomaly

17.5241, 18.0849, 52.4363

Tritanomaly

14.1083, 18.2037, 35.5710

Monochromacy



Original Color

16.7376, 18.4288, 51.9652

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0468, 12.8804, 23.0230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7376, 18.4288, 51.9652 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 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, 125, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 191) }
```

Border

The CSS property to change the border of an element to XYZ 16.7376, 18.4288, 51.9652 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, 191) }
```


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

```
.border{ border-color:rgb(0, 125, 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, 125, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7376, 18.4288, 51.9652 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, 191) }
```

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

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