

Converting Colors

XYZ(15.9244, 18.1203, 43.2309)

Have a look what the booklet for
XYZ(15.9244, 18.1203, 43.2309)
contains.

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Color

**XYZ(15.9859, 18.2338,
43.2344)**

Conversions

Conversions Part 1

Format	Color
Hex	297DAF
RGB	41, 125, 175
RGB Percent	16%, 49%, 69%
CMY	0.8392, 0.5098, 0.3137
CMYK	0.77, 0.29, 0.00, 0.31
HSL	202°, 62%, 42%
HSV	202°, 77%, 69%
XYZ	15.9859, 18.2338, 43.2344
YIQ	105.5840, -66.1140, -2.2580

Conversions

Conversions Part 2

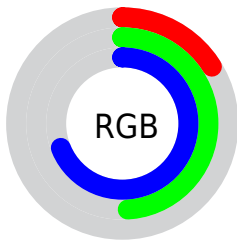
Format	Color
R_{YB}	41, 93, 175
Decimal	2719151
CIE _{Lab}	49.78, -7.53, -33.59
CIE _{LCh}	50, 34.424, 257.362
Yxy	18.2338, 0.2064, 0.2354
Android (android.graphics.Color)	4280909231 (0xFF297DAF)
YUV	105.5840, 34.2221, -56.6402
Hunter-Lab	42.7011, -7.9022, -30.1398

Details

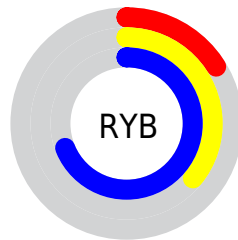
The XYZ color **15.9859, 18.2338, 43.2344** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.8215, 16.7577, 4.1831**, and the grayscale version is **13.5094, 14.2130, 15.4779**.

A 20% lighter version of the original color is **36.0898, 40.2780, 81.4736**, and **6.0973, 6.5740, 19.3599** is the 20% darker color. If you saturate the color by 10%, you get **14.6372, 16.3516, 42.9426**, and if you desaturate by 10%, it is **17.7005, 20.3859, 43.5598**.

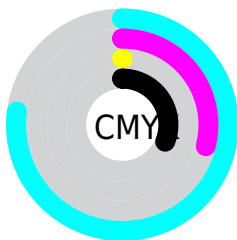
Distribution



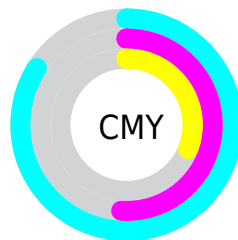
- Red (16%)
- Green (49%)
- Blue (69%)



- Red (16%)
- Yellow (36%)
- Blue (69%)



- Cyan (77%)
- Magenta (29%)
- Yellow (0%)
- Black (31%)



- Cyan (84%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9859, 18.2338, 43.2344 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 15.9859, 18.2338, 43.2344 by changing the saturation by 10% instead.

■ 15.9859, 18.2338,
43.2344

■ 15.9859, 18.2338,
43.2344

222.5305,
242.1856, 375.5244

■ 9.6050, 11.1180,
29.7363

■ 36.1314, 40.4353,
81.3546

■ 5.1981, 6.1462,
19.3882

■ 50.6266, 56.2898,
106.8138

■ 2.3999, 2.9342,
11.7715

■ 68.5573, 75.8259,
137.0971

■ 0.8451, 1.0975,
6.4676

■ 90.2889, 99.4282,
172.6231

■ 0.0000, 0.0000,
3.0581

■ 116.1866,
127.4808, 213.8103

■ 0.0000, 0.0000,
1.1244

146.6159,

■ 0.0000, 0.0000,

160.3684, 261.0772

0.0000

181.9421,
198.4751, 314.8423

■ 15.9859, 18.2338,
43.2344

■ 15.9859, 18.2338,
43.2344

■ 14.6372, 16.3516,
42.9426

■ 17.7005, 20.3859,
43.5598

■ 13.6009, 14.7093,
42.6802

■ 19.8165, 22.8268,
43.9194

■ 13.2815, 14.1822,
42.5953

■ 22.3670, 25.5753,
44.3155

■ 25.3809, 28.6479,
44.7497

■ 28.8845, 32.0593,
45.2235

■ 32.9018, 35.8233,
45.7383

■ 37.4554, 39.9530,
46.2954

■ 42.5664, 44.4604,
46.8961

■ 48.2546, 49.3571,
47.5414

Harmonies

Analogous

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



13.3968, 18.2338, 36.3434



15.9859, 18.2338, 43.2344



19.2834, 18.2338, 42.5898

Triad

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



15.9859, 18.2338, 43.2344



24.0807, 18.2338, 14.9327



13.0894, 18.2338, 9.9529

Complementary

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



15.9859, 18.2338, 43.2344



21.8215, 16.7577, 4.1831

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.



15.5144, 18.2338, 7.1147



15.9859, 18.2338, 43.2344



21.9678, 18.2338, 9.3028

Square

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



15.9859, 18.2338, 43.2344



24.2487, 18.2338, 24.0775



18.7488, 18.2338, 6.9220



11.8721, 18.2338, 16.1549

Rectangle

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



15.9859, 18.2338, 43.2344



21.4505, 18.2338, 37.9680



18.7488, 18.2338, 6.9220



13.7753, 18.2338, 8.6722

Sweetspot

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



15.9866, 18.2344, 43.2349



53.9091, 59.4833, 81.2770



18.0963, 31.8724, 14.9022



11.4405, 12.7068, 17.9940



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.9866, 18.2344, 43.2349



24.8641, 27.1805, 76.5727



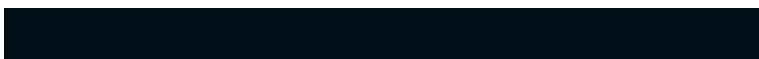
10.2103, 6.6818, 41.3094



7.9813, 8.5621, 10.1847



9.5716, 10.2771, 30.5237



0.3164, 0.3862, 0.8659

Inverse Universe

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



22.1744, 12.1812, 20.5851



37.3095, 18.9316, 30.1376



30.1596, 33.4339, 6.9624



8.2084, 8.0966, 9.4082



14.6950, 7.3405, 11.3050



0.4341, 0.2143, 0.4478

Previews

White Background



This preview shows how the XYZ color 15.9859, 18.2338, 43.2344 looks on a white 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

Black Background



This preview shows how the XYZ color 15.9859, 18.2338, 43.2344 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 15.9859, 18.2338, 43.2344

Background



This preview shows how black text looks on a background with the XYZ color 15.9859, 18.2338, 43.2344.



This preview shows how white text looks on a background with the XYZ color 15.9859, 18.2338,

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

15.9859, 18.2338, 43.2344

Protanopia

18.6801, 18.0846, 39.5519

Deuteranopia

18.5136, 18.0706, 44.1072



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

15.9859, 18.2338, 43.2344

Protanomaly

17.1720, 17.7962, 41.0580

Deuteranomaly

17.2254, 17.9452, 43.6302

Tritanomaly

13.7970, 18.1020, 32.9038

Monochromacy



Original Color

15.9859, 18.2338, 43.2344

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4815, 15.2428, 23.7043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9859, 18.2338, 43.2344 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(41, 125, 175)` looks like.

```
.text, #text, p{  
    color:rgb(41, 125, 175)  
}
```

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(41, 125, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 125, 175) }
```

Border

The CSS property to change the border of an element to XYZ 15.9859, 18.2338, 43.2344 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(41, 125, 175) }
```


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

```
.border{ border-color:rgb(41, 125, 175) }
```

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

Here you see how a box with a 4 pixel rgb(41, 125, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 125, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 125, 175);  
box-shadow:4px 4px 4px 4px rgb(41, 125,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9859, 18.2338, 43.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 125, 175) }
```

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

```
.background{ background-color: rgb(41, 125,  
175) }
```

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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