

Converting Colors

XYZ(18.8307, 23.9124, 42.0728)

Have a look what the booklet for
XYZ(18.8307, 23.9124, 42.0728)
contains.

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Color

**XYZ(18.8413, 23.8949,
42.1472)**

Conversions

Conversions Part 1

Format	Color
Hex	3391AB
RGB	51, 145, 171
RGB Percent	20%, 57%, 67%
CMY	0.8000, 0.4314, 0.3294
CMYK	0.70, 0.15, 0.00, 0.33
HSL	193°, 54%, 44%
HSV	193°, 70%, 67%
XYZ	18.8413, 23.8949, 42.1472
YIQ	119.8580, -64.3700, -11.8420

Conversions

Conversions Part 2

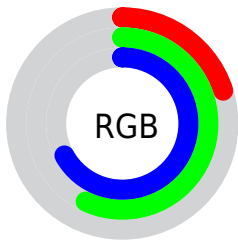
Format	Color
RYB	51, 104, 171
Decimal	3379627
CIELab	55.98, -18.73, -21.65
CIELCh	56, 28.629, 229.134
Yxy	23.8949, 0.2220, 0.2815
Android (android.graphics.Color)	4281569707 (0xFF3391AB)
YUV	119.8580, 25.2130, -60.3885
Hunter-Lab	48.8824, -16.7429, -16.9031




Details

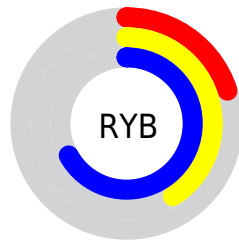
The XYZ color **18.8413, 23.8949, 42.1472** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.0467, 14.2056, 4.8181**, and the grayscale version is **17.7449, 18.6691, 20.3306**.




A 20% lighter version of the original color is **40.9609, 49.8485, 79.4144**, and **7.3325, 9.3373, 18.8686** is the 20% darker color. If you saturate the color by 10%, you get **17.5761, 22.4163, 41.9289**, and if you desaturate by 10%, it is **20.4433, 25.5755, 42.3876**.

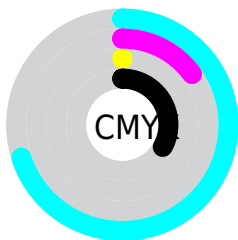
Distribution







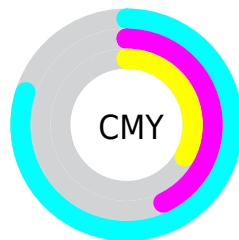
-  Red (20%)
-  Green (57%)
-  Blue (67%)






-  Red (20%)
-  Yellow (41%)
-  Blue (67%)



-  Cyan (70%)
-  Magenta (15%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (80%)
-  Magenta (43%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8413, 23.8949, 42.1472 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 18.8413, 23.8949, 42.1472 by changing the saturation by 10% instead.

■ 18.8413, 23.8949,
42.1472

■ 18.8413, 23.8949,
42.1472

■ 238.5262,
272.2887, 370.9104

■ 11.6590, 15.2557,
28.8901

■ 40.9847, 49.8586,
79.6949

■ 6.5825, 8.9990,
18.7529

■ 56.6765, 67.9519,
104.8225

■ 3.2464, 4.7405,
11.3168

■ 75.9355, 89.9654,
134.7441

■ 1.2853, 2.0958,
6.1635

■ 99.1271, 116.2834,
169.8783

■ 0.1722, 0.6623,
2.8744

■ 126.6166,
147.2903, 210.6434

■ 0.0000, 0.0000,
1.0309

158.7694,

■ 0.0000, 0.0000,

183.3706, 257.4581

0.0000

195.9508,
224.9086, 310.7409

■ 18.8413, 23.8949,
42.1472

■ 18.8413, 23.8949,
42.1472

■ 17.5761, 22.4163,
41.9289

■ 20.4433, 25.5755,
42.3876

■ 16.6086, 21.1179,
41.7293

■ 22.4111, 27.4718,
42.6499

■ 15.8691, 19.9769,
41.5481

■ 24.7733, 29.5994,
42.9361

■ 27.5545, 31.9711,
43.2473

■ 30.7777, 34.5991,
43.5847

■ 34.4638, 37.4945,
43.9492

■ 38.6327, 40.6675,
44.3420

■ 43.3028, 44.1281,
44.7638

■ 48.4916, 47.8854,
45.2156

Harmonies

Analogous

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



17.2746, 23.8949, 32.3767



18.8413, 23.8949, 42.1472



21.5467, 23.8949, 48.0081

Triad

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



18.8413, 23.8949, 42.1472



29.4619, 23.8949, 29.5613



20.7124, 23.8949, 12.4450

Complementary

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



18.8413, 23.8949, 42.1472



20.0467, 14.2056, 4.8181

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.



23.9173, 23.8949, 12.0385



18.8413, 23.8949, 42.1472



29.1837, 23.8949, 20.5507

Square

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



18.8413, 23.8949, 42.1472



27.8053, 23.8949, 39.6655



27.0781, 23.8949, 14.6385



18.2810, 23.8949, 15.9255

Rectangle

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



18.8413, 23.8949, 42.1472



23.7241, 23.8949, 48.1504



27.0781, 23.8949, 14.6385



21.7279, 23.8949, 11.9821

Sweetspot

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



18.8421, 23.8958, 42.1478



54.3852, 61.3751, 77.9821



17.1988, 30.3382, 11.6070



11.7721, 13.3994, 17.3536



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.8421, 23.8958, 42.1478



30.4951, 38.8726, 74.8978



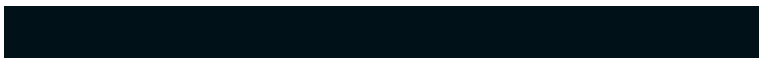
12.1249, 10.4615, 39.9087



8.0869, 8.7731, 10.2199



12.0024, 15.1387, 31.3340



0.3701, 0.4935, 0.8837

Inverse Universe

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



23.0899, 13.0707, 28.0949



39.0832, 20.0930, 45.7896



26.0568, 26.2258, 6.8215



8.2617, 8.1179, 9.6887



15.9219, 7.8313, 17.7661



0.4612, 0.2252, 0.5905

Previews

White Background



This preview shows how the XYZ color 18.8413, 23.8949, 42.1472 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 18.8413, 23.8949, 42.1472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

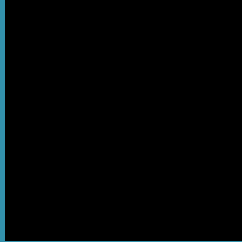
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8413, 23.8949, 42.1472

Background



This preview shows how black text looks on a background with the XYZ color 18.8413, 23.8949, 42.1472.

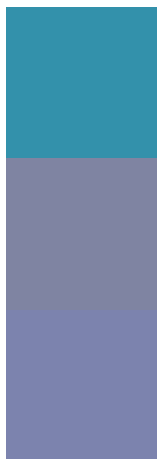


This preview shows how white text looks on a background with the XYZ color 18.8413, 23.8949,

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

18.8413, 23.8949, 42.1472

Protanopia

23.5252, 23.6232, 37.5022

Deuteranopia

24.0685, 23.5737, 43.3260



Tritanopia

17.6880, 23.8842, 36.4788

Trichromacy



Original Color

18.8413, 23.8949, 42.1472

Protanomaly

20.8828, 23.2606, 38.9864

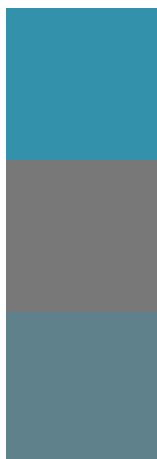
Deuteranomaly

21.2767, 23.1668, 42.8854

Tritanomaly

18.0165, 23.7830, 38.2913

Monochromacy



Original Color

18.8413, 23.8949, 42.1472

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.2298, 19.9975, 27.3779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8413, 23.8949, 42.1472 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(51, 145, 171)` looks like.

```
.text, #text, p{  
    color:rgb(51, 145, 171)  
}
```

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(51, 145, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 145, 171) }
```

Border

The CSS property to change the border of an element to XYZ 18.8413, 23.8949, 42.1472 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(51, 145, 171) }
```


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

```
.border{ border-color:rgb(51, 145, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 145, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 145, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 145, 171);  
box-shadow:4px 4px 4px 4px rgb(51, 145,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8413, 23.8949, 42.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 145, 171) }
```

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

```
.background{ background-color: rgb(51, 145,  
171) }
```

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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