

Converting Colors

XYZ(18.1923, 23.6572, 42.0611)

Have a look what the booklet for
XYZ(18.1923, 23.6572, 42.0611)
contains.

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Color

**XYZ(18.1358, 23.5312,
42.1142)**

Conversions

Conversions Part 1

Format	Color
Hex	2291AB
RGB	34, 145, 171
RGB Percent	13%, 57%, 67%
CMY	0.8666, 0.4314, 0.3294
CMYK	0.80, 0.15, 0.00, 0.33
HSL	191°, 67%, 40%
HSV	191°, 80%, 67%
XYZ	18.1358, 23.5312, 42.1142
YIQ	114.7750, -74.5020, -15.4460

Conversions

Conversions Part 2

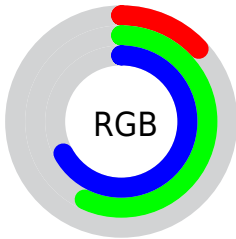
Format	Color
RYB	34, 95, 171
Decimal	2265515
CIELab	55.62, -20.83, -22.25
CIElCh	56, 30.479, 226.876
Yxy	23.5312, 0.2165, 0.2809
Android (android.graphics.Color)	4280455595 (0xFF2291AB)
YUV	114.7750, 27.7189, -70.8397
Hunter-Lab	48.5090, -18.1558, -17.5177

Details

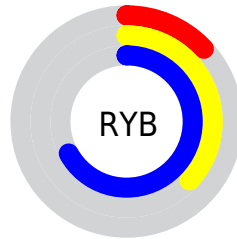
The XYZ color **18.1358, 23.5312, 42.1142** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.7001, 12.0064, 2.8461**, and the grayscale version is **16.1639, 17.0057, 18.5192**.

A 20% lighter version of the original color is **39.7444, 49.2214, 79.3574**, and **7.3325, 9.3373, 18.8686** is the 20% darker color. If you saturate the color by 10%, you get **17.2172, 22.3324, 41.9317**, and if you desaturate by 10%, it is **19.3504, 24.9046, 42.3157**.

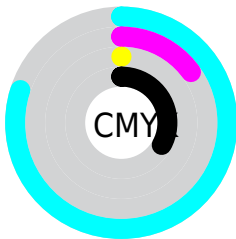
Distribution



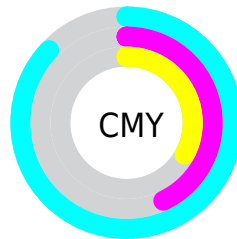
- Red (13%)
- Green (57%)
- Blue (67%)



- Red (13%)
- Yellow (37%)
- Blue (67%)



- Cyan (80%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)



- Cyan (87%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1358, 23.5312, 42.1142 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 18.1358, 23.5312, 42.1142 by changing the saturation by 10% instead.

■ 18.1358, 23.5312,
42.1142

■ 18.1358, 23.5312,
42.1142

■ 234.6662,
270.4417, 370.7697

■ 11.1478, 14.9862,
28.8645

■ 39.7969, 49.2641,
79.6444

■ 6.2344, 8.8097,
18.7336

■ 55.2006, 67.2208,
104.7619

■ 3.0301, 4.6173,
11.3031

■ 74.1404, 89.0836,
134.6725

■ 1.1697, 2.0245,
6.1544

■ 96.9815, 115.2368,
169.7947

■ 0.0823, 0.6217,
2.8689

■ 124.0892,
146.0648, 210.5469

■ 0.0000, 0.0000,
1.0281

■ 155.8290,

■ 0.0000, 0.0000,

181.9520, 257.3478

0.0000

192.5662,
223.2829, 310.6159

■ 18.1358, 23.5312,
42.1142

■ 18.1358, 23.5312,
42.1142

■ 17.2172, 22.3324,
41.9317

■ 19.3504, 24.9046,
42.3157

■ 16.5180, 21.2747,
41.7644

■ 20.8956, 26.4691,
42.5363

■ 22.8033, 28.2419,
42.7779

■ 25.1012, 30.2374,
43.0420

■ 27.8140, 32.4685,
43.3296

■ 30.9644, 34.9470,
43.6420

■ 34.5735, 37.6841,
43.9801

■ 38.6609, 40.6899,
44.3448

■ 43.2451, 43.9741,
44.7371

Harmonies

Analogous

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



16.6062, 23.5312, 31.5334



18.1358, 23.5312, 42.1142



20.8949, 23.5312, 48.8969

Triad

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



18.1358, 23.5312, 42.1142



29.4578, 23.5312, 30.1756



20.4971, 23.5312, 11.4163

Complementary

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



18.1358, 23.5312, 42.1142



18.7001, 12.0064, 2.8461

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.



23.9040, 23.5312, 11.2298



18.1358, 23.5312, 42.1142



29.3232, 23.5312, 20.4989

Square

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



18.1358, 23.5312, 42.1142



27.5579, 23.5312, 40.9029



27.2069, 23.5312, 14.1185



17.8705, 23.5312, 14.7170

Rectangle

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



18.1358, 23.5312, 42.1142



23.1682, 23.5312, 49.4516



27.2069, 23.5312, 14.1185



21.5819, 23.5312, 11.0238

Sweetspot

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



18.1366, 23.5320, 42.1148



52.9223, 60.6169, 77.9128



16.0159, 29.7835, 9.0596



11.3722, 13.1783, 17.3320



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.



18.1366, 23.5320, 42.1148



29.8872, 38.5460, 74.8668



10.6922, 8.6433, 39.6333



8.1052, 8.8098, 10.2260



12.4882, 16.1102, 31.4959



0.3802, 0.5138, 0.8871

Inverse Universe

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



22.4782, 11.8472, 27.8909



38.5593, 19.0524, 45.5929



24.7535, 24.1133, 4.8639



8.2709, 8.1216, 9.7374



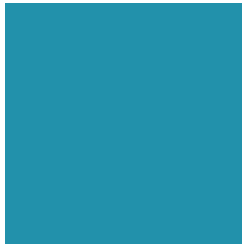
16.1671, 7.9294, 19.0572



0.4663, 0.2272, 0.6174

Previews

White Background



This preview shows how the XYZ color 18.1358, 23.5312, 42.1142 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 18.1358, 23.5312, 42.1142 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

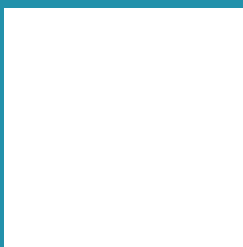
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1358, 23.5312, 42.1142

Background



This preview shows how black text looks on a background with the XYZ color 18.1358, 23.5312, 42.1142.



This preview shows how white text looks on a background with the XYZ color 18.1358, 23.5312,

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

18.1358, 23.5312, 42.1142

Protanopia

23.1535, 23.2414, 36.9839

Deuteranopia

23.6487, 23.1588, 43.2681



Tritanopia

16.9412, 23.4992, 36.4438

Trichromacy



Original Color

18.1358, 23.5312, 42.1142

Protanomaly

20.1099, 22.6521, 38.9097

Deuteranomaly

20.4232, 22.5187, 42.8053

Tritanomaly

17.2664, 23.3963, 38.2562

Monochromacy



Original Color

18.1358, 23.5312, 42.1142

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6718, 18.6494, 25.6954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1358, 23.5312, 42.1142 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(34, 145, 171)` looks like.

```
.text, #text, p{  
    color:rgb(34, 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(34, 145, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 145, 171) }
```

Border

The CSS property to change the border of an element to XYZ 18.1358, 23.5312, 42.1142 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(34, 145, 171) }
```


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

```
.border{ border-color:rgb(34, 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(34, 145, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 145, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 145, 171);  
box-shadow:4px 4px 4px 4px rgb(34, 145,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1358, 23.5312, 42.1142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 145, 171) }
```

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

```
.background{ background-color: rgb(34, 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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