

Converting Colors

XYZ(21.1880, 15.9650, 23.4955)

Have a look what the booklet for
XYZ(21.1880, 15.9650, 23.4955)
contains.

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Color

**XYZ(21.1642, 15.9909,
23.4438)**

Conversions

Conversions Part 1

Format	Color
Hex	9A5B83
RGB	154, 91, 131
RGB Percent	60%, 36%, 51%
CMY	0.3961, 0.6431, 0.4863
CMYK	0.00, 0.41, 0.15, 0.40
HSL	322°, 26%, 48%
HSV	322°, 41%, 60%
XYZ	21.1642, 15.9909, 23.4438
YIQ	114.3970, 24.7080, 25.7960

Conversions

Conversions Part 2

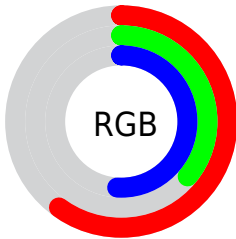
Format	Color
RYB	154, 91, 131
Decimal	10115971
CIELab	46.96, 31.67, -11.32
CIElCh	47, 33.628, 340.335
Yxy	15.9909, 0.3493, 0.2639
Android (android.graphics.Color)	4288306051 (0xFF9A5B83)
YUV	114.3970, 8.1853, 34.7318
Hunter-Lab	39.9886, 24.4920, -6.7674

Details

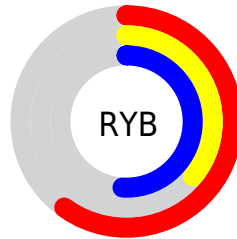
The XYZ color **21.1642, 15.9909, 23.4438** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.9079, 26.5506, 20.0490**, and the grayscale version is **16.0849, 16.9226, 18.4287**.

A 20% lighter version of the original color is **44.9031, 36.5083, 50.0276**, and **7.7537, 5.1037, 8.5591** is the 20% darker color. If you saturate the color by 10%, you get **19.6096, 13.4749, 21.0963**, and if you desaturate by 10%, it is **23.0106, 19.0570, 25.9910**.

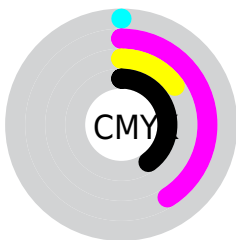
Distribution



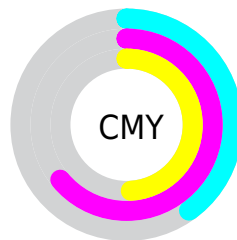
- Red (60%)
- Green (36%)
- Blue (51%)



- Red (60%)
- Yellow (36%)
- Blue (51%)



- Cyan (0%)
- Magenta (41%)
- Yellow (15%)
- Black (40%)



- Cyan (40%)
- Magenta (64%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1642, 15.9909, 23.4438 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 21.1642, 15.9909, 23.4438 by changing the saturation by 10% instead.

■ 21.1642, 15.9909,
23.4438

■ 21.1642, 15.9909,
23.4438

250.8651,
229.2880, 283.1918

■ 13.3572, 9.5177,
14.7132

■ 44.8499, 36.5824,
50.0534

■ 7.7537, 5.0804,
8.4740

■ 61.4593, 51.4695,
68.7695

■ 3.9882, 2.2945,
4.3076

■ 81.7335, 69.9301,
91.6511

■ 1.6955, 0.7708,
1.7956

■ 106.0380, 92.3484,
119.1169

■ 0.4534, 0.0000,
0.4250

134.7380,
119.1090, 151.5853

■ 0.0000, 0.0000,
0.0000

168.1990,

150.5962, 189.4749

206.7862,
187.1944, 233.2042

■ 21.1642, 15.9909,
23.4438

■ 21.1642, 15.9909,
23.4438

■ 19.6096, 13.4749,
21.0963

■ 23.0106, 19.0570,
25.9910

■ 18.3284, 11.4733,
18.9402

■ 25.1629, 22.7015,
28.7435

■ 17.3022, 9.9498,
16.9679

■ 27.6360, 26.9534,
31.7082

■ 16.5098, 8.8623,
15.1707

■ 30.4434, 31.8393,
34.8909

■ 15.9261, 8.1613,
13.5384

■ 33.5977, 37.3840,
38.2974

■ 15.5205, 7.7476,
12.1771

■ 37.1110, 43.6111,
41.9331

■ 40.9945, 50.5428,
45.8031

■ 45.2593, 58.2005,
49.9126

■ 49.9158, 66.6047,
54.2664

Harmonies

Analogous

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



19.1570, 15.9909, 32.8873



21.1642, 15.9909, 23.4438



21.4622, 15.9909, 14.6667

Triad

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



21.1642, 15.9909, 23.4438



14.2076, 15.9909, 5.8514



11.2861, 15.9909, 30.1249

Complementary

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



21.1642, 15.9909, 23.4438



18.9079, 26.5506, 20.0490

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.



10.2907, 15.9909, 20.4787



21.1642, 15.9909, 23.4438



11.8274, 15.9909, 7.7605

Square

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



21.1642, 15.9909, 23.4438



17.1805, 15.9909, 6.1868



10.4751, 15.9909, 12.5142



13.3758, 15.9909, 37.5256

Rectangle

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



21.1642, 15.9909, 23.4438



20.6153, 15.9909, 10.4510



10.4751, 15.9909, 12.5142



10.8254, 15.9909, 26.9290

Sweetspot

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



21.1647, 15.9916, 23.4441



49.5690, 47.8669, 56.8592



16.3910, 13.3302, 32.2810



11.0940, 10.6174, 12.7218



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.1647, 15.9916, 23.4441



35.8620, 24.8603, 38.7022



19.3902, 15.2818, 14.0997



6.3655, 6.2853, 7.3046



12.6625, 6.3192, 10.0135



0.2067, 0.1014, 0.2411

Inverse Universe

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



21.1647, 15.9916, 23.4441



35.8620, 24.8603, 38.7022



20.9467, 27.3661, 30.7850



6.3655, 6.2853, 7.3046



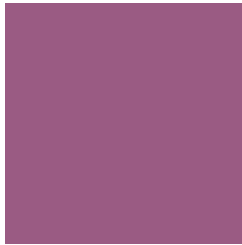
12.6625, 6.3192, 10.0135



0.2067, 0.1014, 0.2411

Previews

White Background



This preview shows how the XYZ color 21.1642, 15.9909, 23.4438 looks on a white background.

Color Contrast Check

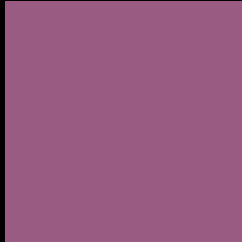
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1642, 15.9909, 23.4438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

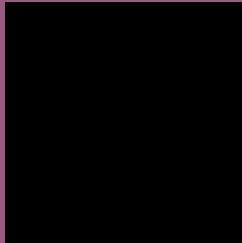
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1642, 15.9909, 23.4438

Background



This preview shows how black text looks on a background with the XYZ color 21.1642, 15.9909, 23.4438.



This preview shows how white text looks on a background with the XYZ color 21.1642, 15.9909,

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

21.1642, 15.9909, 23.4438

Protanopia

16.3888, 16.2968, 29.0699

Deuteranopia

16.4352, 16.1406, 22.6713



Tritanopia

19.4441, 15.9445, 15.1495

Trichromacy



Original Color

21.1642, 15.9909, 23.4438

Protanomaly

17.7100, 15.9317, 26.9526

Deuteranomaly

17.7671, 15.7548, 22.8734

Tritanomaly

19.9889, 15.8957, 17.9342

Monochromacy



Original Color

21.1642, 15.9909, 23.4438

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.5975, 16.3313, 19.9941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1642, 15.9909, 23.4438 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(154, 91, 131)` looks like.

```
.text, #text, p{  
    color:rgb(154, 91, 131)  
}
```

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(154, 91, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 91, 131) }
```

Border

The CSS property to change the border of an element to XYZ 21.1642, 15.9909, 23.4438 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(154, 91, 131) }
```


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

```
.border{ border-color:rgb(154, 91, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 91, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 91, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 91, 131);  
box-shadow:4px 4px 4px 4px rgb(154, 91,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1642, 15.9909, 23.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 91, 131) }
```

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

```
.background{ background-color: rgb(154, 91,  
131) }
```

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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