

Converting Colors

XYZ(23.6187, 20.3477, 33.9371)

Have a look what the booklet for
XYZ(23.6187, 20.3477, 33.9371)
contains.

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Color

**XYZ(23.6951, 20.4547,
34.1518)**

Conversions

Conversions Part 1

Format	Color
Hex	91729C
RGB	145, 114, 156
RGB Percent	57%, 45%, 61%
CMY	0.4314, 0.5529, 0.3882
CMYK	0.07, 0.27, 0.00, 0.39
HSL	284°, 17%, 53%
HSV	284°, 27%, 61%
XYZ	23.6951, 20.4547, 34.1518
YIQ	128.0570, 4.9940, 19.6340

Conversions

Conversions Part 2

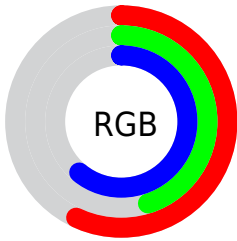
Format	Color
RYB	145, 114, 156
Decimal	9532060
CIELab	52.35, 20.08, -18.05
CIELCh	52, 27.002, 318.058
Yxy	20.4547, 0.3026, 0.2612
Android (android.graphics.Color)	4287722140 (0xFF91729C)
YUV	128.0570, 13.7759, 14.8590
Hunter-Lab	45.2269, 14.3720, -13.1124

Details

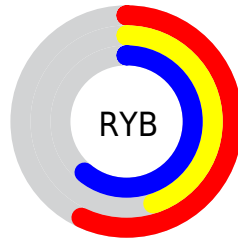
The XYZ color **23.6951, 20.4547, 34.1518** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.3840, 29.3524, 20.3537**, and the grayscale version is **20.4907, 21.5578, 23.4764**.

A 20% lighter version of the original color is **48.9473, 44.1177, 67.5638**, and **9.1141, 7.2960, 14.2925** is the 20% darker color. If you saturate the color by 10%, you get **21.3764, 16.8667, 33.5818**, and if you desaturate by 10%, it is **26.3411, 24.6581, 34.8240**.

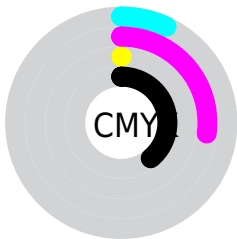
Distribution



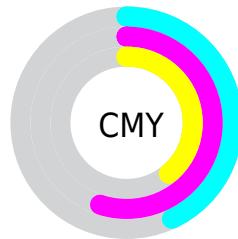
- Red (57%)
- Green (45%)
- Blue (61%)



- Red (57%)
- Yellow (45%)
- Blue (61%)



- Cyan (7%)
- Magenta (27%)
- Yellow (0%)
- Black (39%)



- Cyan (43%)
- Magenta (55%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6951, 20.4547, 34.1518 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 23.6951, 20.4547, 34.1518 by changing the saturation by 10% instead.

■ 23.6951, 20.4547,
34.1518

■ 23.6951, 20.4547,
34.1518

263.7445,
254.3661, 335.5982

■ 15.2311, 12.7260,
22.7319

■ 48.9905, 44.1782,
67.3063

■ 9.0691, 7.2401,
14.1923

■ 66.5526, 60.9418,
89.8779

■ 4.8438, 3.6127,
8.1142

■ 87.8781, 81.4859,
117.0039

■ 2.1897, 1.4594,
4.0793

■ 113.3324,
106.1947, 149.1028

■ 0.7373, 0.2599,
1.6690

143.2809,
135.4528, 186.5932

■ 0.0000, 0.0000,
0.3393

178.0888,

■ 0.0000, 0.0000,

169.6444, 229.8935

0.0000

218.1216,
209.1541, 279.4223

■ 23.6951, 20.4547,
34.1518

■ 23.6951, 20.4547,
34.1518

■ 21.3764, 16.8667,
33.5818

■ 26.3411, 24.6581,
34.8240

■ 19.3676, 13.8607,
33.1074

■ 29.3269, 29.5026,
35.6017

■ 17.6524, 11.4045,
32.7237

■ 32.6666, 35.0157,
36.4898

■ 16.2125, 9.4614,
32.4246

■ 36.3729, 41.2225,
37.4925

■ 15.0268, 7.9900,
32.2031

■ 40.4581, 48.1469,
38.6137

■ 14.0714, 6.9428,
32.0513

■ 44.9335, 55.8114,
39.8573

■ 13.3086, 6.2450,
31.9568

■ 49.8101, 64.2378,
41.2267

■ 13.0897, 6.0548,
31.9316

■ 55.0987, 73.4468,
42.7255

■ 60.8092, 83.4584,
44.3569

Harmonies

Analogous

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



21.1461, 20.4547, 40.2288



23.6951, 20.4547, 34.1518



25.1547, 20.4547, 25.5924

Triad

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



23.6951, 20.4547, 34.1518



20.5689, 20.4547, 10.4001



14.7891, 20.4547, 27.3624

Complementary

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



23.6951, 20.4547, 34.1518



23.3840, 29.3524, 20.3537

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.



14.6665, 20.4547, 19.2515



23.6951, 20.4547, 34.1518



17.8312, 20.4547, 10.6566

Square

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



23.6951, 20.4547, 34.1518



23.2380, 20.4547, 12.7146



15.7302, 20.4547, 13.5260



16.0830, 20.4547, 35.7106

Rectangle

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



23.6951, 20.4547, 34.1518



25.2295, 20.4547, 20.1939



15.7302, 20.4547, 13.5260



14.6144, 20.4547, 24.4873

Sweetspot

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



23.6957, 20.4556, 34.1522



52.5602, 52.4311, 64.4767



20.3000, 20.6966, 34.3777



11.3897, 11.2502, 14.1416



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.



23.6957, 20.4556, 34.1522



40.5608, 33.2963, 61.4158



24.9321, 21.1850, 30.0514



6.7345, 6.6671, 8.3386



10.8154, 5.0045, 26.3032



0.2303, 0.1085, 0.4720

Inverse Universe

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



23.4300, 20.5842, 22.1414



40.0793, 33.6158, 35.7478



22.4541, 28.8051, 23.3800



6.7008, 6.6733, 7.2757



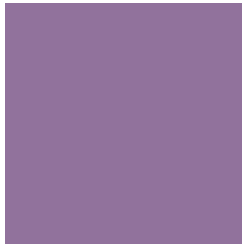
11.6334, 5.9579, 2.3204



0.2239, 0.1129, 0.1251

Previews

White Background



This preview shows how the XYZ color 23.6951, 20.4547, 34.1518 looks on a white background.

Color Contrast Check

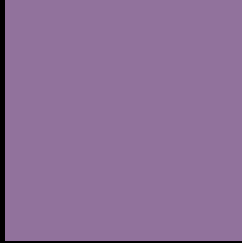
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6951, 20.4547, 34.1518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

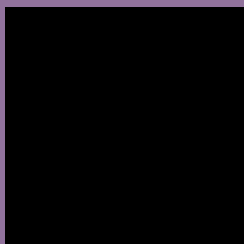
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6951, 20.4547, 34.1518

Background



This preview shows how black text looks on a background with the XYZ color 23.6951, 20.4547, 34.1518.



This preview shows how white text looks on a background with the XYZ color 23.6951, 20.4547,

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

23.6951, 20.4547, 34.1518

Protanopia

20.8887, 20.7045, 37.5457

Deuteranopia

20.8183, 20.3897, 33.4102



Tritanopia

21.4776, 20.4149, 23.2305

Trichromacy



Original Color

23.6951, 20.4547, 34.1518

Protanomaly

21.6658, 20.4066, 36.0547

Deuteranomaly

21.7191, 20.3060, 33.7851

Tritanomaly

22.1041, 20.3083, 26.7996

Monochromacy



Original Color

23.6951, 20.4547, 34.1518

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.5019, 21.0692, 26.9783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6951, 20.4547, 34.1518 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(145, 114, 156)` looks like.

```
.text, #text, p{  
    color:rgb(145, 114, 156)  
}
```

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(145, 114, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 114, 156) }
```

Border

The CSS property to change the border of an element to XYZ 23.6951, 20.4547, 34.1518 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(145, 114, 156) }
```


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

```
.border{ border-color:rgb(145, 114, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 114, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 114, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 114, 156);  
box-shadow:4px 4px 4px 4px rgb(145, 114,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6951, 20.4547, 34.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 114, 156) }
```

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

```
.background{ background-color: rgb(145,  
114, 156) }
```

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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