

Converting Colors

XYZ(23.2179, 17.1891, 51.1317)

Have a look what the booklet for
XYZ(23.2179, 17.1891, 51.1317)
contains.

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Color

**XYZ(23.3515, 17.2975,
51.3982)**

Conversions

Conversions Part 1

Format	Color
Hex	8561BF
RGB	133, 97, 191
RGB Percent	52%, 38%, 75%
CMY	0.4784, 0.6196, 0.2510
CMYK	0.30, 0.49, 0.00, 0.25
HSL	263°, 42%, 56%
HSV	263°, 49%, 75%
XYZ	23.3515, 17.2975, 51.3982
YIQ	118.4800, -8.7180, 36.8660

Conversions

Conversions Part 2

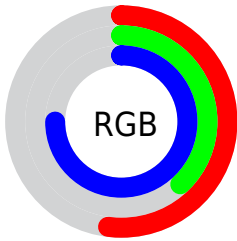
Format	Color
R_{YB}	133, 97, 191
Decimal	8741311
CIE _{Lab}	48.63, 34.57, -44.29
CIE _{LCh}	49, 56.183, 307.972
Yxy	17.2975, 0.2537, 0.1879
Android (android.graphics.Color)	4286931391 (0xFF8561BF)
YUV	118.4800, 35.7524, 12.7340
Hunter-Lab	41.5903, 27.4386, -44.1588

Details

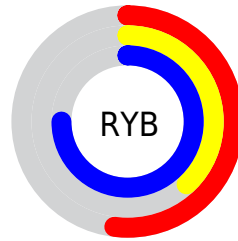
The XYZ color **23.3515, 17.2975, 51.3982** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **34.3063, 45.0935, 18.2056**, and the grayscale version is **17.2642, 18.1633, 19.7798**.

A 20% lighter version of the original color is **48.2722, 38.6485, 93.7226**, and **8.9219, 5.7082, 24.2985** is the 20% darker color. If you saturate the color by 10%, you get **20.0372, 13.2772, 50.7972**, and if you desaturate by 10%, it is **27.3008, 22.2764, 52.1514**.

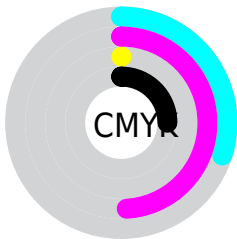
Distribution



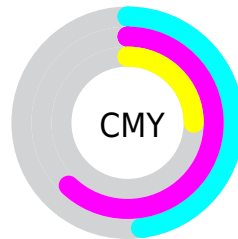
- Red (52%)
- Green (38%)
- Blue (75%)



- Red (52%)
- Yellow (38%)
- Blue (75%)



- Cyan (30%)
- Magenta (49%)
- Yellow (0%)
- Black (25%)



- Cyan (48%)
- Magenta (62%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3515, 17.2975, 51.3982 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 23.3515, 17.2975, 51.3982 by changing the saturation by 10% instead.

■ 23.3515, 17.2975,
51.3982

■ 23.3515, 17.2975,
51.3982

262.0270,
236.8810, 408.9995

■ 14.9754, 10.4468,
36.1467

■ 48.4323, 38.8366,
93.6606

■ 8.8883, 5.6962,
24.2569

■ 65.8676, 54.2938,
121.5086

■ 4.7249, 2.6613,
15.3103

■ 87.0535, 73.3886,
154.3925

■ 2.1199, 0.9576,
8.8884

■ 112.3551, 96.5054,
192.7309

■ 0.7000, 0.0000,
4.5727

142.1379,
124.0287, 236.9422

■ 0.0000, 0.0000,
1.9445

176.7673,

■ 0.0000, 0.0000,

156.3428, 287.4451

0.5208

216.6085,
193.8321, 344.6580

■ 0.0000, 0.0000,
0.0000

■ 23.3515, 17.2975,
51.3982

■ 23.3515, 17.2975,
51.3982

■ 20.0372, 13.2772,
50.7972

■ 27.3008, 22.2764,
52.1514

■ 17.3179, 10.1479,
50.3365

■ 31.9176, 28.2712,
53.0652

■ 15.1519, 7.8363,
50.0045

■ 37.2342, 35.3369,
54.1488

■ 13.4901, 6.2554,
49.7869

■ 43.2804, 43.5237,
55.4103

■ 12.2504, 5.2531,
49.6588

■ 50.0840, 52.8789,
56.8575

■ 12.1631, 5.1840,
49.6501

■ 57.6713, 63.4468,
58.4974

■ 66.0673, 75.2695,
60.3369

■ 75.2959, 88.3870,
62.3824

■ 80.7833, 93.6440,
63.1079

Harmonies

Analogous

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



17.8592, 17.2975, 63.4758



23.3515, 17.2975, 51.3982



27.4926, 17.2975, 31.6661

Triad

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



23.3515, 17.2975, 51.3982



20.4607, 17.2975, 2.8460



8.4265, 17.2975, 23.0674

Complementary

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



23.3515, 17.2975, 51.3982



34.3063, 45.0935, 18.2056

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.



8.8365, 17.2975, 10.0427



23.3515, 17.2975, 51.3982



15.0995, 17.2975, 2.3642

Square

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



23.3515, 17.2975, 51.3982



25.5945, 17.2975, 6.1817



11.0488, 17.2975, 4.1203



9.7801, 17.2975, 42.3603

Rectangle

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



23.3515, 17.2975, 51.3982



28.5193, 17.2975, 19.8603



11.0488, 17.2975, 4.1203



8.3691, 17.2975, 17.8437

Sweetspot

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



23.3522, 17.2982, 51.3986



70.8327, 68.8730, 97.8397



26.3124, 30.2598, 53.7444



15.0598, 14.4568, 21.3820



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.3522, 17.2982, 51.3986



35.5008, 23.3238, 90.9100



32.1465, 21.8318, 51.8102



9.3527, 9.3987, 11.9934



8.0771, 3.4500, 32.6331



0.3898, 0.1730, 1.2817

Inverse Universe

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



31.6773, 21.9928, 33.5859



52.6297, 33.0075, 53.1521



27.1614, 41.4102, 17.8712



9.7709, 9.6326, 11.1823



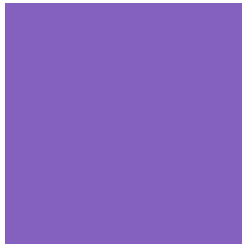
16.3036, 8.1526, 12.1584



0.6696, 0.3317, 0.6395

Previews

White Background



This preview shows how the XYZ color 23.3515, 17.2975, 51.3982 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 23.3515, 17.2975, 51.3982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

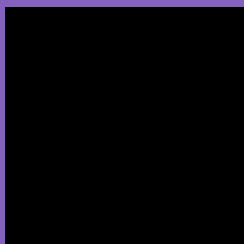
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.3515, 17.2975, 51.3982

Background



This preview shows how black text looks on a background with the XYZ color 23.3515, 17.2975, 51.3982.



This preview shows how white text looks on a background with the XYZ color 23.3515, 17.2975,

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

23.3515, 17.2975, 51.3982

Protanopia

19.7182, 17.6442, 60.7589

Deuteranopia

17.9627, 17.4951, 49.4439



Tritanopia

17.1637, 17.2085, 20.8293

Trichromacy



Original Color

23.3515, 17.2975, 51.3982

Protanomaly

20.4164, 17.1121, 57.4852

Deuteranomaly

19.2651, 17.0010, 49.8431

Tritanomaly

18.9816, 16.9819, 29.8812

Monochromacy



Original Color

23.3515, 17.2975, 51.3982

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.8551, 17.4071, 29.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3515, 17.2975, 51.3982 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(133, 97, 191)` looks like.

```
.text, #text, p{  
    color:rgb(133, 97, 191)  
}
```

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(133, 97, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 97, 191) }
```

Border

The CSS property to change the border of an element to XYZ 23.3515, 17.2975, 51.3982 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(133, 97, 191) }
```


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

```
.border{ border-color:rgb(133, 97, 191) }
```

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

Here you see how a box with a 4 pixel rgb(133, 97, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 97, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 97, 191);  
box-shadow:4px 4px 4px 4px rgb(133, 97,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3515, 17.2975, 51.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 97, 191) }
```

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

```
.background{ background-color: rgb(133, 97,  
191) }
```

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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