

Converting Colors

XYZ(23.9843, 19.1115, 53.0331)

Have a look what the booklet for
XYZ(23.9843, 19.1115, 53.0331)
contains.

XYZ(23.9366, 19.0328, 52.8642)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9366, 19.0328,
52.8642)**

Conversions

Conversions Part 1

Format	Color
Hex	816BC1
RGB	129, 107, 193
RGB Percent	51%, 42%, 76%
CMY	0.4941, 0.5804, 0.2431
CMYK	0.33, 0.45, 0.00, 0.24
HSL	255°, 41%, 59%
HSV	255°, 45%, 76%
XYZ	23.9366, 19.0328, 52.8642
YIQ	123.3820, -14.4940, 31.4100

Conversions

Conversions Part 2

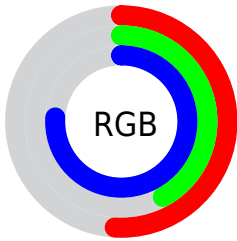
Format	Color
R_{YB}	129, 107, 193
Decimal	8481729
CIE _{Lab}	50.73, 28.14, -42.15
CIE _{LCh}	51, 50.679, 303.730
Yxy	19.0328, 0.2498, 0.1986
Android (android.graphics.Color)	4286671809 (0xFF816BC1)
YUV	123.3820, 34.3217, 4.9270
Hunter-Lab	43.6266, 21.5910, -41.3056

Details

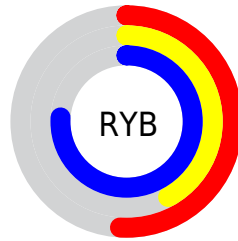
The XYZ color **23.9366, 19.0328, 52.8642** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **38.5187, 47.8598, 21.1183**, and the grayscale version is **18.8470, 19.8286, 21.5933**.

A 20% lighter version of the original color is **49.4206, 41.8887, 95.9231**, and **9.2047, 6.5285, 25.2011** is the 20% darker color. If you saturate the color by 10%, you get **20.1140, 14.4014, 52.1721**, and if you desaturate by 10%, it is **28.5164, 24.7218, 53.7213**.

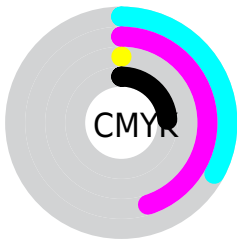
Distribution



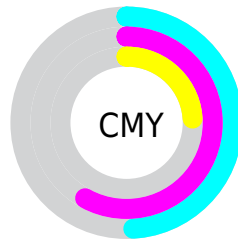
- Red (51%)
- Green (42%)
- Blue (76%)



- Red (51%)
- Yellow (42%)
- Blue (76%)



- Cyan (33%)
- Magenta (45%)
- Yellow (0%)
- Black (24%)



- Cyan (49%)
- Magenta (58%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9366, 19.0328, 52.8642 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 23.9366, 19.0328, 52.8642 by changing the saturation by 10% instead.

■ 23.9366, 19.0328,
52.8642

■ 23.9366, 19.0328,
52.8642

264.9462,
246.6298, 414.8154

■ 15.4111, 11.6940,
37.3074

■ 49.3821, 41.7895,
95.8440

■ 9.1966, 6.5357,
25.1479

■ 67.0329, 57.9762,
124.1041

■ 4.9278, 3.1734,
15.9673

■ 88.4561, 77.8810,
157.4357

■ 2.2393, 1.2229,
9.3469

■ 114.0171,
101.8882, 196.2574

■ 0.7633, 0.0803,
4.8682

144.0812,
130.3823, 240.9877

■ 0.0000, 0.0000,
2.1128

179.0139,

■ 0.0000, 0.0000,

163.7477, 292.0451

0.6234

219.1804,
202.3687, 349.8481

■ 0.0000, 0.0000,
0.0000

■ 23.9366, 19.0328,
52.8642

■ 23.9366, 19.0328,
52.8642

■ 20.1140, 14.4014,
52.1721

■ 28.5164, 24.7218,
53.7213

■ 17.0035, 10.7585,
51.6329

■ 33.8905, 31.5273,
54.7516

■ 14.5582, 8.0299,
51.2351


■ 40.0965, 39.5063,
55.9646


■ 12.7242, 6.1294,
50.9649


■ 47.1684, 48.7115,
57.3687


■ 11.4379, 4.9538,
50.8058


■ 55.1385, 59.1920,
58.9715

 10.9105, 4.5126,
50.7484

 64.0375, 70.9944,
60.7806

 73.8946, 84.1630,
62.8029

 82.6606, 94.5862,
64.3527

 86.6257, 96.6303,
64.5383

Harmonies

Analogous

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



18.7193, 19.0328, 61.8265



23.9366, 19.0328, 52.8642



28.0915, 19.0328, 35.3623

Triad

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



23.9366, 19.0328, 52.8642



22.6613, 19.0328, 4.5887



10.1271, 19.0328, 22.5566

Complementary

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



23.9366, 19.0328, 52.8642



38.5187, 47.8598, 21.1183

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.



10.7985, 19.0328, 10.8116



23.9366, 19.0328, 52.8642



17.4751, 19.0328, 3.6475

Square

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



23.9366, 19.0328, 52.8642



27.2656, 19.0328, 8.9326



13.2827, 19.0328, 5.2721



11.2456, 19.0328, 39.9541

Rectangle

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



23.9366, 19.0328, 52.8642



29.3579, 19.0328, 23.8609



13.2827, 19.0328, 5.2721



10.1522, 19.0328, 17.8739

Sweetspot

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



23.9373, 19.0335, 52.8647



73.4366, 72.8589, 100.5529



30.3471, 36.2917, 55.8580



15.1852, 14.8936, 21.4597



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.



23.9373, 19.0335, 52.8647



36.4788, 26.3358, 93.5210



31.7876, 23.0805, 53.2320



9.7645, 9.8697, 12.6752



7.3206, 3.0343, 33.7565



0.3828, 0.1654, 1.4616

Inverse Universe

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



34.6011, 24.7937, 41.4902



58.1996, 38.0927, 69.2624



30.7019, 43.8300, 20.7525



10.3837, 10.2021, 12.1109



17.9905, 8.8860, 18.3940



0.8039, 0.3946, 0.9349

Previews

White Background



This preview shows how the XYZ color 23.9366, 19.0328, 52.8642 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 23.9366, 19.0328, 52.8642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

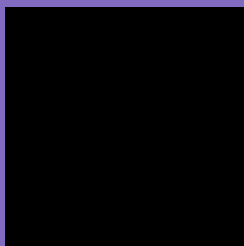
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9366, 19.0328, 52.8642

Background



This preview shows how black text looks on a background with the XYZ color 23.9366, 19.0328, 52.8642.



This preview shows how white text looks on a background with the XYZ color 23.9366, 19.0328,

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

23.9366, 19.0328, 52.8642

Protanopia

21.0042, 19.2000, 59.0988

Deuteranopia

19.6989, 19.2314, 51.3890



Tritanopia

18.1366, 19.0264, 24.1893

Trichromacy



Original Color

23.9366, 19.0328, 52.8642

Protanomaly

21.6929, 18.9249, 56.5423

Deuteranomaly

20.9049, 18.9617, 51.8484

Tritanomaly

19.9633, 18.8888, 33.1656

Monochromacy



Original Color

23.9366, 19.0328, 52.8642

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.1640, 19.2207, 30.6642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9366, 19.0328, 52.8642 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(129, 107, 193)` looks like.

```
.text, #text, p{  
    color:rgb(129, 107, 193)  
}
```

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(129, 107, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 107, 193) }
```

Border

The CSS property to change the border of an element to XYZ 23.9366, 19.0328, 52.8642 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(129, 107, 193) }
```


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

```
.border{ border-color:rgb(129, 107, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 107, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 107, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 107, 193);  
box-shadow:4px 4px 4px 4px rgb(129, 107,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9366, 19.0328, 52.8642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 107, 193) }
```

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

```
.background{ background-color: rgb(129,  
107, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor