

Converting Colors

XYZ(10.9782, 4.9184, 52.8051)

Have a look what the booklet for
XYZ(10.9782, 4.9184, 52.8051)
contains.

XYZ(10.9439, 4.9167, 52.5968)	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(10.9439, 4.9167,
52.5968)**

Conversions

Conversions Part 1

Format	Color
Hex	2316C4
RGB	35, 22, 196
RGB Percent	14%, 9%, 77%
CMY	0.8627, 0.9138, 0.2314
CMYK	0.82, 0.89, 0.00, 0.23
HSL	244°, 80%, 43%
HSV	244°, 89%, 77%
XYZ	10.9439, 4.9167, 52.5968
YIQ	45.7230, -48.1060, 56.8700

Conversions

Conversions Part 2

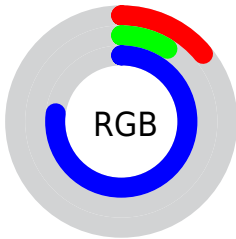
Format	Color
R _Y B	35, 22, 196
Decimal	2299588
CIE Lab	26.50, 60.07, -83.66
CIE LCh	26, 102.993, 305.682
Yxy	4.9167, 0.1599, 0.0718
Android (android.graphics.Color)	4280489668 (0xFF2316C4)
YUV	45.7230, 74.0866, -9.4041
Hunter-Lab	22.1736, 49.2956, -125.1169

Details

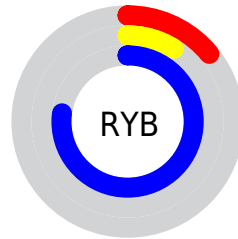
The XYZ color **10.9439, 4.9167, 52.5968** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **39.4078, 49.6024, 8.2559**, and the grayscale version is **2.4984, 2.6285, 2.8624**.

A 20% lighter version of the original color is **27.2155, 15.6986, 95.3617**, and **4.7336, 1.8934, 24.9269** is the 20% darker color. If you saturate the color by 10%, you get **10.2189, 4.1556, 52.4883**, and if you desaturate by 10%, it is **12.2535, 6.3737, 52.8092**.

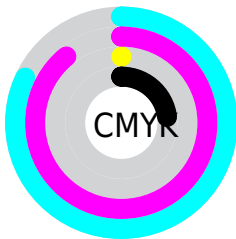
Distribution



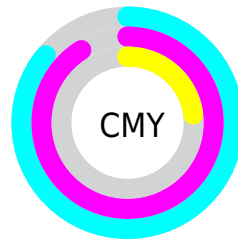
- Red (14%)
- Green (9%)
- Blue (77%)



- Red (14%)
- Yellow (9%)
- Blue (77%)



- Cyan (82%)
- Magenta (89%)
- Yellow (0%)
- Black (23%)



- Cyan (86%)
- Magenta (91%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9439, 4.9167, 52.5968 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 10.9439, 4.9167, 52.5968 by changing the saturation by 10% instead.

■ 10.9439, 4.9167,
52.5968

■ 10.9439, 4.9167,
52.5968

191.1985,
149.0169, 413.7586

■ 6.0961, 2.1985,
37.0955

■ 27.1903, 15.6381,
95.4463

■ 2.9448, 0.7192,
24.9851

■ 39.3196, 24.4101,
123.6316

■ 1.1247, 0.0000,
15.8470

■ 54.6067, 35.9688,
156.8820

■ 0.0456, 0.0000,
9.2628

■ 73.4172, 50.6987,
195.6159

■ 0.0000, 0.0000,
4.8138

■ 96.1162, 68.9840,
240.2520

■ 0.0000, 0.0000,
2.0816

■ 123.0692, 91.2092,

■ 0.0000, 0.0000,

291.2088


0.6048


 154.6415,
117.7587, 348.9048


 0.0000, 0.0000,
0.0000

 10.9439, 4.9167,
52.5968

 10.9439, 4.9167,
52.5968


 10.2189, 4.1556,
52.4883


 12.2535, 6.3737,
52.8092

 10.1555, 4.0843,
52.4779

 14.2623, 8.6940,
53.1512

 17.0508, 11.9842,
53.6393

 20.6885, 16.3355,
54.2875

 25.2369, 21.8284,
55.1080

■ 30.7520, 28.5358,
56.1119

■ 37.2851, 36.5245,
57.3096

■ 44.8840, 45.8562,
58.7103

■ 53.5934, 56.5889,
60.3229

Harmonies

Analogous

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



5.4979, 4.9167, 73.8922



10.9439, 4.9167, 52.5968



16.1658, 4.9167, 21.0698

Triad

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



10.9439, 4.9167, 52.5968



8.7289, 4.9167, 0.0000



0.2861, 4.9167, 7.9142

Complementary

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



10.9439, 4.9167, 52.5968



39.4078, 49.6024, 8.2559

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.



0.4968, 4.9167, 0.2287



10.9439, 4.9167, 52.5968



3.9354, 4.9167, 0.0000

Square

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



10.9439, 4.9167, 52.5968



14.4455, 4.9167, 0.0000



1.4184, 4.9167, 0.0000



0.7458, 4.9167, 32.2690

Rectangle

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



10.9439, 4.9167, 52.5968



17.7643, 4.9167, 7.2394



1.4184, 4.9167, 0.0000



0.2809, 4.9167, 3.8273

Sweetspot

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



10.9443, 4.9167, 52.5970



57.2026, 53.5167, 101.9226



27.5183, 38.6034, 58.2256



11.4399, 10.4746, 21.6688



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



10.9443, 4.9167, 52.5970



18.3202, 7.3593, 95.0626



18.0795, 8.5950, 52.9309



9.5966, 9.7832, 12.6674



6.5541, 2.6392, 33.7206



0.3077, 0.1267, 1.4581

Inverse Universe

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



31.5967, 15.7273, 46.1578



56.3680, 27.3112, 81.5931



24.8569, 42.1012, 7.5750



10.4637, 10.2341, 12.5324



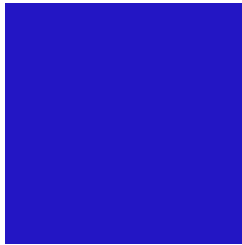
20.0226, 9.6988, 29.0945



0.8750, 0.4230, 1.3091

Previews

White Background



This preview shows how the XYZ color 10.9439, 4.9167, 52.5968 looks on a white background.

Color Contrast Check

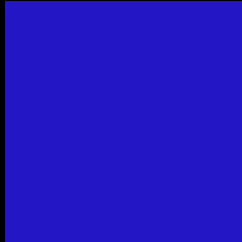
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 10.9439, 4.9167, 52.5968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

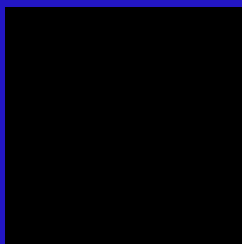
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9439, 4.9167, 52.5968

Background



This preview shows how black text looks on a background with the XYZ color 10.9439, 4.9167, 52.5968.



This preview shows how white text looks on a background with the XYZ color 10.9439, 4.9167,

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

10.9439, 4.9167, 52.5968

Protanopia

5.5650, 4.8960, 21.0738

Deuteranopia

4.6506, 4.8847, 15.1657



Tritanopia

3.4262, 4.8747, 7.2389

Trichromacy



Original Color

10.9439, 4.9167, 52.5968

Protanomaly

6.9323, 4.4185, 30.6245

Deuteranomaly

6.0720, 4.2053, 25.6910

Tritanomaly

4.7091, 3.9398, 17.6518

Monochromacy



Original Color

10.9439, 4.9167, 52.5968

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

3.9654, 2.7550, 12.6347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9439, 4.9167, 52.5968 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(35, 22, 196)` looks like.

```
.text, #text, p{  
    color:rgb(35, 22, 196)  
}
```

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(35, 22, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 22, 196) }
```

Border

The CSS property to change the border of an element to XYZ 10.9439, 4.9167, 52.5968 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(35, 22, 196) }
```


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

```
.border{ border-color:rgb(35, 22, 196) }
```

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

Here you see how a box with a 4 pixel rgb(35, 22, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 22, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 22, 196);  
box-shadow:4px 4px 4px 4px rgb(35, 22,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9439, 4.9167, 52.5968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 22, 196) }
```

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

```
.background{ background-color: rgb(35, 22,  
196) }
```

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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