

Converting Colors

XYZ(13.8733, 10.3619, 53.2695)

Have a look what the booklet for
XYZ(13.8733, 10.3619, 53.2695)
contains.

XYZ(13.9449, 10.4059, 53.4981)	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(13.9449, 10.4059,
53.4981)**

Conversions

Conversions Part 1

Format	Color
Hex	2C51C4
RGB	44, 81, 196
RGB Percent	17%, 32%, 77%
CMY	0.8274, 0.6824, 0.2314
CMYK	0.78, 0.59, 0.00, 0.23
HSL	225°, 63%, 47%
HSV	225°, 78%, 77%
XYZ	13.9449, 10.4059, 53.4981
YIQ	83.0470, -58.9670, 27.9210

Conversions

Conversions Part 2

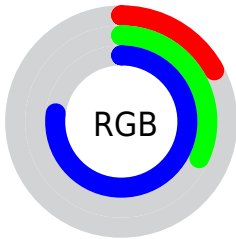
Format	Color
R_{YB}	44, 74, 196
Decimal	2904516
CIE _{Lab}	38.56, 28.53, -63.75
CIE _{LCh}	39, 69.841, 294.114
Yxy	10.4059, 0.1791, 0.1337
Android (android.graphics.Color)	4281094596 (0xFF2C51C4)
YUV	83.0470, 55.6858, -34.2442
Hunter-Lab	32.2582, 20.7120, -75.7479

Details

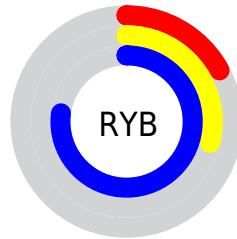
The XYZ color **13.9449, 10.4059, 53.4981** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **35.6198, 36.7175, 7.5937**, and the grayscale version is **8.1313, 8.5548, 9.3161**.

A 20% lighter version of the original color is **32.6821, 26.6317, 97.1838**, and **5.5008, 3.3093, 25.5481** is the 20% darker color. If you saturate the color by 10%, you get **12.3086, 8.1012, 53.1398**, and if you desaturate by 10%, it is **16.2203, 13.3973, 53.9559**.

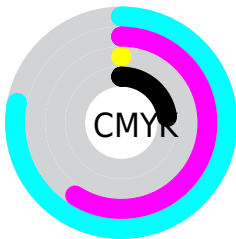
Distribution



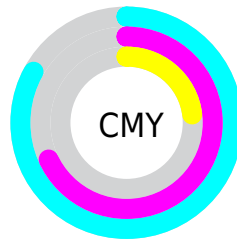
- Red (17%)
- Green (32%)
- Blue (77%)



- Red (17%)
- Yellow (29%)
- Blue (77%)



- Cyan (78%)
- Magenta (59%)
- Yellow (0%)
- Black (23%)



- Cyan (83%)
- Magenta (68%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9449, 10.4059, 53.4981 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 13.9449, 10.4059, 53.4981 by changing the saturation by 10% instead.

■ 13.9449, 10.4059,
53.4981

■ 13.9449, 10.4059,
53.4981

210.4053,
193.5450, 417.3136

■ 8.1638, 5.6689,
37.8101

■ 32.5783, 26.5562,
96.7859

■ 4.2526, 2.6448,
25.5347

■ 46.1613, 38.7383,
125.2227

■ 1.8460, 0.9492,
16.2532

■ 63.0757, 54.1709,
158.7463

■ 0.5452, 0.0000,
9.5472

■ 83.6868, 73.2384,
197.7751

■ 0.0000, 0.0000,
4.9981

■ 108.3599, 96.3251,
242.7277

■ 0.0000, 0.0000,
2.1874

137.4605,

■ 0.0000, 0.0000,

123.8156, 294.0226

0.6671

171.3538,
156.0940, 352.0784

■ 0.0000, 0.0000,
0.0000

■ 13.9449, 10.4059,
53.4981

■ 13.9449, 10.4059,
53.4981

■ 12.3086, 8.1012,
53.1398

■ 16.2203, 13.3973,
53.9559

■ 11.2228, 6.4141,
52.8714

■ 19.1971, 17.1290,
54.5192

■ 11.0086, 6.0751,
52.8172

■ 22.9315, 21.6495,
55.1950

■ 27.4730, 27.0030,
55.9889

■ 32.8673, 33.2299,
56.9065

■ 39.1561, 40.3681,
57.9529

■ 46.3785, 48.4532,
59.1328

■ 54.5713, 57.5187,
60.4508

■ 63.7691, 67.5966,
61.9113

Harmonies

Analogous

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



9.0141, 10.4059, 59.5354



13.9449, 10.4059, 53.4981



18.8849, 10.4059, 33.4945

Triad

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



13.9449, 10.4059, 53.4981



16.0070, 10.4059, 0.6922



3.4597, 10.4059, 8.9343

Complementary

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



13.9449, 10.4059, 53.4981



35.6198, 36.7175, 7.5937

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.



4.3314, 10.4059, 2.0414



13.9449, 10.4059, 53.4981



10.8220, 10.4059, 0.0000

Square

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



13.9449, 10.4059, 53.4981



20.3102, 10.4059, 3.8313



6.7096, 10.4059, 0.1914



3.8309, 10.4059, 25.0837

Rectangle

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



13.9449, 10.4059, 53.4981



21.0168, 10.4059, 19.7370



6.7096, 10.4059, 0.1914



3.6057, 10.4059, 5.7312

Sweetspot

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



13.9455, 10.4062, 53.4984



64.1070, 65.4046, 103.8533



26.9510, 42.4845, 39.1289



12.8613, 13.0187, 22.0850



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.



13.9455, 10.4062, 53.4984



20.8513, 12.4564, 95.9131



14.3453, 7.5818, 52.9322



9.7230, 10.1373, 12.7291



7.1309, 4.0183, 33.9564



0.3642, 0.2858, 1.4859

Inverse Universe

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



25.1513, 14.1320, 9.1868



42.7433, 22.2035, 8.7915



34.2960, 46.9314, 9.6349



10.1715, 10.1172, 10.9935



14.9953, 7.6879, 2.6215



0.6762, 0.3435, 0.2623

Previews

White Background



This preview shows how the XYZ color 13.9449, 10.4059, 53.4981 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 13.9449, 10.4059, 53.4981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

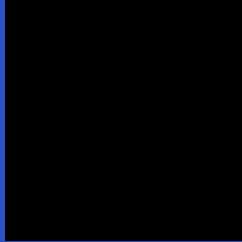
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9449, 10.4059, 53.4981

Background



This preview shows how black text looks on a background with the XYZ color 13.9449, 10.4059, 53.4981.



This preview shows how white text looks on a background with the XYZ color 13.9449, 10.4059,

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

13.9449, 10.4059, 53.4981

Protanopia

12.1652, 10.3192, 47.2496

Deuteranopia

10.1724, 10.3319, 34.2590



Tritanopia

7.2110, 10.1759, 15.4940

Trichromacy



Original Color

13.9449, 10.4059, 53.4981

Protanomaly

12.6475, 10.2813, 49.4620

Deuteranomaly

11.2325, 10.2335, 40.4130

Tritanomaly

8.7882, 9.8029, 25.8551

Monochromacy



Original Color

13.9449, 10.4059, 53.4981

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.1096, 8.7550, 20.2785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9449, 10.4059, 53.4981 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(44, 81, 196)` looks like.

```
.text, #text, p{  
    color:rgb(44, 81, 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(44, 81, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 81, 196) }
```

Border

The CSS property to change the border of an element to XYZ 13.9449, 10.4059, 53.4981 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(44, 81, 196) }
```


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

```
.border{ border-color:rgb(44, 81, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 81, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 81, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 81, 196);  
box-shadow:4px 4px 4px 4px rgb(44, 81,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9449, 10.4059, 53.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 81, 196) }
```

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

```
.background{ background-color: rgb(44, 81,  
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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