

Converting Colors

XYZ(10.4239, 10.9131, 30.7829)

Have a look what the booklet for
XYZ(10.4239, 10.9131, 30.7829)
contains.

XYZ(10.4619, 10.9574, 30.8417)	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(10.4619, 10.9574,
30.8417)**

Conversions

Conversions Part 1

Format	Color
Hex	236097
RGB	35, 96, 151
RGB Percent	14%, 38%, 59%
CMY	0.8627, 0.6235, 0.4078
CMYK	0.77, 0.36, 0.00, 0.41
HSL	208°, 62%, 36%
HSV	208°, 77%, 59%
XYZ	10.4619, 10.9574, 30.8417
YIQ	84.0310, -54.0110, 4.1730

Conversions

Conversions Part 2

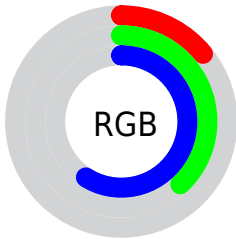
Format	Color
R_{YB}	35, 75, 151
Decimal	2318487
CIE _{Lab}	39.51, 0.36, -35.64
CIE _{LCh}	40, 35.645, 270.580
Yxy	10.9574, 0.2002, 0.2097
Android (android.graphics.Color)	4280508567 (0xFF236097)
YUV	84.0310, 33.0157, -43.0002
Hunter-Lab	33.1020, -1.5134, -32.0702

Details

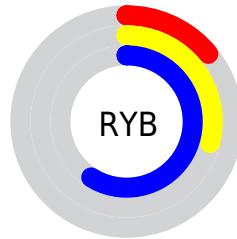
The XYZ color **10.4619, 10.9574, 30.8417** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.7229, 14.0145, 3.4144**, and the grayscale version is **8.3759, 8.8121, 9.5963**.

A 20% lighter version of the original color is **26.3492, 27.5554, 62.3225**, and **3.4409, 3.2013, 12.4932** is the 20% darker color. If you saturate the color by 10%, you get **9.4317, 9.5005, 30.6150**, and if you desaturate by 10%, it is **11.7730, 12.6478, 31.0991**.

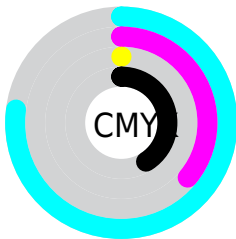
Distribution



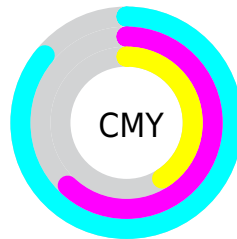
- Red (14%)
- Green (38%)
- Blue (59%)



- Red (14%)
- Yellow (29%)
- Blue (59%)



- Cyan (77%)
- Magenta (36%)
- Yellow (0%)
- Black (41%)



- Cyan (86%)
- Magenta (62%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4619, 10.9574, 30.8417 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 10.4619, 10.9574, 30.8417 by changing the saturation by 10% instead.

■ 10.4619, 10.9574,
30.8417

■ 10.4619, 10.9574,
30.8417

■ 187.9232,
197.3751, 320.1369

■ 5.7709, 6.0382,
20.2209

■ 26.3026, 27.5814,
62.0674

■ 2.7456, 2.8683,
12.3700

■ 38.1830, 40.0549,
83.5094

■ 1.0207, 1.0634,
6.8706

■ 53.1905, 55.8154,
109.3955

■ 0.0000, 0.0000,
3.3041

■ 71.6906, 75.2471,
140.1443

■ 0.0000, 0.0000,
1.2519

■ 94.0486, 98.7346,
176.1743

■ 0.0000, 0.0000,
0.0219

■ 120.6298,

■ 0.0000, 0.0000,

126.6621, 217.9040

0.0000

151.7995,
159.4142, 265.7521

■ 10.4619, 10.9574,
30.8417

■ 10.4619, 10.9574,
30.8417

■ 9.4317, 9.5005,
30.6150

■ 11.7730, 12.6478,
31.0991

■ 8.6394, 8.2520,
30.4158

■ 13.3904, 14.5865,
31.3881

■ 8.4109, 7.8844,
30.3569

■ 15.3378, 16.7882,
31.7104

■ 17.6361, 19.2656,
32.0675

■ 20.3041, 22.0306,
32.4605

■ 23.3595, 25.0941,
32.8908

■ 26.8185, 28.4666,
33.3595

■ 30.6965, 32.1577,
33.8675

■ 35.0080, 36.1767,
34.4160

Harmonies

Analogous

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



8.2915, 10.9574, 27.7169



10.4619, 10.9574, 30.8417



12.9668, 10.9574, 27.4807

Triad

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



10.4619, 10.9574, 30.8417



14.9580, 10.9574, 6.3527



6.8636, 10.9574, 6.5075

Complementary

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



10.4619, 10.9574, 30.8417



16.7229, 14.0145, 3.4144

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.



8.2216, 10.9574, 3.7407



10.4619, 10.9574, 30.8417



12.8725, 10.9574, 3.6787

Square

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



10.4619, 10.9574, 30.8417



15.7970, 10.9574, 11.7962



10.3676, 10.9574, 2.9489



6.4191, 10.9574, 12.0663

Rectangle

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



10.4619, 10.9574, 30.8417



14.4403, 10.9574, 22.5556



10.3676, 10.9574, 2.9489



7.2168, 10.9574, 5.3099

Sweetspot

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



10.4623, 10.9578, 30.8420



38.1190, 41.2341, 58.3836



13.5691, 23.2144, 13.2473



8.2643, 8.9670, 13.2127



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



10.4623, 10.9578, 30.8420



15.8637, 15.4116, 54.5723



7.0008, 4.0347, 29.6881



6.1398, 6.5369, 7.8671



7.1841, 6.7648, 25.8348



0.1438, 0.1740, 0.3984

Inverse Universe

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



15.4752, 8.6265, 11.9160



25.8896, 13.2857, 16.1510



23.5207, 27.6099, 5.6804



6.3377, 6.2742, 7.1582



12.0849, 6.0882, 6.9723



0.1990, 0.0984, 0.2010

Previews

White Background



This preview shows how the XYZ color 10.4619, 10.9574, 30.8417 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 10.4619, 10.9574, 30.8417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

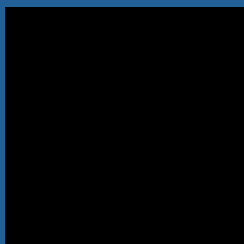
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4619, 10.9574, 30.8417

Background



This preview shows how black text looks on a background with the XYZ color 10.4619, 10.9574, 30.8417.



This preview shows how white text looks on a background with the XYZ color 10.4619, 10.9574,

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

10.4619, 10.9574, 30.8417

Protanopia

11.6019, 10.9352, 28.6934

Deuteranopia

11.2127, 10.9365, 31.2257



Tritanopia

7.7195, 10.8482, 16.7260

Trichromacy



Original Color

10.4619, 10.9574, 30.8417

Protanomaly

11.0633, 10.8966, 29.5371

Deuteranomaly

10.8891, 10.9008, 31.2359

Tritanomaly

8.4890, 10.7063, 21.3578

Monochromacy



Original Color

10.4619, 10.9574, 30.8417

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.4433, 9.2204, 15.5221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4619, 10.9574, 30.8417 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, 96, 151)` looks like.

```
.text, #text, p{  
    color:rgb(35, 96, 151)  
}
```

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, 96, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 96, 151) }
```

Border

The CSS property to change the border of an element to XYZ 10.4619, 10.9574, 30.8417 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, 96, 151) }
```


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

```
.border{ border-color:rgb(35, 96, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 96, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 96, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 96, 151);  
box-shadow:4px 4px 4px 4px rgb(35, 96,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4619, 10.9574, 30.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 96, 151) }
```

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

```
.background{ background-color: rgb(35, 96,  
151) }
```

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