

Converting Colors

XYZ(14.3147, 14.5417, 22.7577)

Have a look what the booklet for
XYZ(14.3147, 14.5417, 22.7577)
contains.

XYZ(14.3720, 14.6024, 22.8299)	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(14.3720, 14.6024,
22.8299)**

Conversions

Conversions Part 1

Format	Color
Hex	646A81
RGB	100, 106, 129
RGB Percent	39%, 42%, 51%
CMY	0.6078, 0.5843, 0.4941
CMYK	0.22, 0.18, 0.00, 0.49
HSL	228°, 13%, 45%
HSV	228°, 22%, 51%
XYZ	14.3720, 14.6024, 22.8299
YIQ	106.8280, -10.9590, 5.8810

Conversions

Conversions Part 2

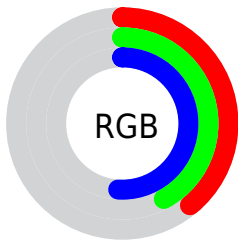
Format	Color
R_{YB}	100, 105, 129
Decimal	6580865
CIE Lab	45.08, 3.08, -13.50
CIE LCh	45, 13.845, 282.855
Yxy	14.6024, 0.2774, 0.2819
Android (android.graphics.Color)	4284770945 (0xFF646A81)
YUV	106.8280, 10.9308, -5.9882
Hunter-Lab	38.2131, 0.2612, -8.6729

Details

The XYZ color **14.3720, 14.6024, 22.8299** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.4365, 19.7530, 14.8979**, and the grayscale version is **13.9008, 14.6247, 15.9263**.

A 20% lighter version of the original color is **33.2630, 34.0707, 49.0791**, and **4.4801, 4.4640, 8.2149** is the 20% darker color. If you saturate the color by 10%, you get **12.0645, 11.9403, 22.4379**, and if you desaturate by 10%, it is **17.0321, 17.6337, 23.2750**.

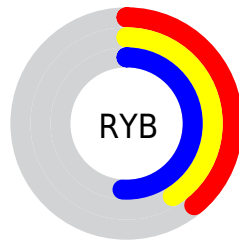
Distribution



Red (39%)

Green (42%)

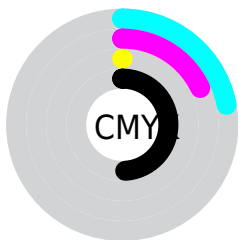
Blue (51%)



Red (39%)

Yellow (41%)

Blue (51%)

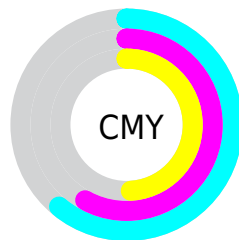


Cyan (22%)

Magenta (18%)

Yellow (0%)

Black (49%)



Cyan (61%)

Magenta (58%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3720, 14.6024, 22.8299 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 14.3720, 14.6024, 22.8299 by changing the saturation by 10% instead.

■ 14.3720, 14.6024,
22.8299

■ 14.3720, 14.6024,
22.8299

212.9975,
220.9469, 279.9437

■ 8.4633, 8.5408,
14.2638

■ 33.3284, 34.1541,
49.0335

■ 4.4471, 4.4429,
8.1636

■ 47.1068, 48.4131,
67.5082

■ 1.9580, 1.9243,
4.1105

■ 64.2392, 66.1733,
90.1227

■ 0.6102, 0.5629,
1.6862

■ 85.0908, 87.8192,
117.2958

■ 0.0000, 0.0000,
0.3512

110.0272,
113.7350, 149.4459

■ 0.0000, 0.0000,
0.0000

139.4135,

144.3054, 186.9915

173.6151,
179.9145, 230.3513

■ 14.3720, 14.6024,
22.8299

■ 14.3720, 14.6024,
22.8299

■ 12.0645, 11.9403,
22.4379

■ 17.0321, 17.6337,
23.2750

■ 10.0934, 9.6315,
22.0962

■ 20.0577, 21.0460,
23.7742

■ 8.4428, 7.6612,
21.8029

■ 23.4624, 24.8527,
24.3295

■ 7.0954, 6.0131,
21.5558

■ 27.2589, 29.0659,
24.9427

■ 6.0318, 4.6693,
21.3524

■ 31.4592, 33.6973,
25.6152

■ 5.2307, 3.6104,
21.1903

■ 36.0750, 38.7581,
26.3488

■ 4.6671, 2.8140,
21.0663

■ 41.1171, 44.2591,
27.1448

■ 4.3475, 2.3550,
20.9945

■ 46.5964, 50.2105,
28.0048

■ 52.5230, 56.6226,
28.9301

Harmonies

Analogous

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



13.2437, 14.6024, 22.6756



14.3720, 14.6024, 22.8299



15.4222, 14.6024, 20.9535

Triad

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



14.3720, 14.6024, 22.8299



15.5469, 14.6024, 12.0046



11.8903, 14.6024, 14.1218

Complementary

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



14.3720, 14.6024, 22.8299



18.4365, 19.7530, 14.8979

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.



12.4426, 14.6024, 11.7315



14.3720, 14.6024, 22.8299



14.5346, 14.6024, 10.6288

Square

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



14.3720, 14.6024, 22.8299



16.1251, 14.6024, 14.5448



13.3977, 14.6024, 10.5362



11.8521, 14.6024, 17.3359

Rectangle

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



14.3720, 14.6024, 22.8299



15.9201, 14.6024, 18.9354



13.3977, 14.6024, 10.5362



12.0206, 14.6024, 13.2068

Sweetspot

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



14.3725, 14.6030, 22.8302



33.2976, 34.7397, 42.1429



16.6635, 19.8331, 21.5962



7.4829, 7.8024, 9.5300



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



14.3725, 14.6030, 22.8302



23.5311, 23.6128, 40.5100



14.7306, 13.9014, 22.6759



4.1754, 4.3448, 5.4318



4.2414, 2.3014, 20.4706



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.2123, 14.8224, 15.6429



27.4608, 24.1619, 25.1406



18.0056, 20.6702, 15.0977



4.3614, 4.3577, 4.7075



9.0179, 4.6268, 1.4178



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.3720, 14.6024, 22.8299 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 14.3720, 14.6024, 22.8299 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

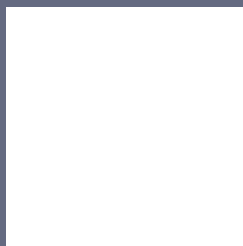
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.3720, 14.6024, 22.8299

Background



This preview shows how black text looks on a background with the XYZ color 14.3720, 14.6024, 22.8299.



This preview shows how white text looks on a background with the XYZ color 14.3720, 14.6024,

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

14.3720, 14.6024, 22.8299

Protanopia

14.5960, 14.7178, 22.8404

Deuteranopia

14.8566, 14.5498, 22.7942



Tritanopia

13.6105, 14.6061, 18.9315

Trichromacy



Original Color

14.3720, 14.6024, 22.8299

Protanomaly

14.4833, 14.6597, 22.8351

Deuteranomaly

14.7229, 14.6312, 22.8170

Tritanomaly

13.8545, 14.5485, 20.1671

Monochromacy



Original Color

14.3720, 14.6024, 22.8299

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.0611, 14.6963, 18.3152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3720, 14.6024, 22.8299 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(100, 106, 129)` looks like.

```
.text, #text, p{  
    color:rgb(100, 106, 129)  
}
```

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(100, 106, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 106, 129) }
```

Border

The CSS property to change the border of an element to XYZ 14.3720, 14.6024, 22.8299 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(100, 106, 129) }
```


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

```
.border{ border-color:rgb(100, 106, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 106, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 106, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 106, 129); box-shadow:4px 4px 4px 4px rgb(100, 106, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3720, 14.6024, 22.8299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 106, 129) }
```

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

```
.background{ background-color: rgb(100,  
106, 129) }
```

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