

Converting Colors

XYZ(23.8794, 30.3716, 60.1445)

Have a look what the booklet for
XYZ(23.8794, 30.3716, 60.1445)
contains.

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Color

**XYZ(23.7514, 30.2064,
59.8369)**

Conversions

Conversions Part 1

Format	Color
Hex	14A2C9
RGB	20, 162, 201
RGB Percent	8%, 64%, 79%
CMY	0.9215, 0.3647, 0.2118
CMYK	0.90, 0.19, 0.00, 0.21
HSL	193°, 82%, 43%
HSV	193°, 90%, 79%
XYZ	23.7514, 30.2064, 59.8369
YIQ	123.9880, -97.1510, -17.9750

Conversions

Conversions Part 2

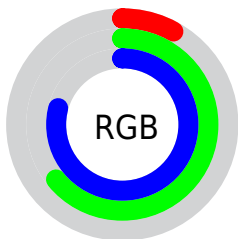
Format	Color
R _Y B	20, 100, 201
Decimal	1352393
CIE Lab	61.83, -20.55, -29.63
CIE LCh	62, 36.055, 235.257
Yxy	30.2064, 0.2087, 0.2654
Android (android.graphics.Color)	4279542473 (0xFF14A2C9)
YUV	123.9880, 37.9669, -91.1975
Hunter-Lab	54.9603, -19.0409, -26.0785

Details

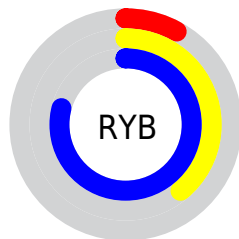
The XYZ color **23.7514, 30.2064, 59.8369** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.7794, 15.5987, 2.3152**, and the grayscale version is **19.0578, 20.0503, 21.8348**.

A 20% lighter version of the original color is **48.5718, 59.7888, 103.5881**, and **10.8424, 13.2584, 29.5914** is the 20% darker color. If you saturate the color by 10%, you get **22.7162, 28.5640, 59.5750**, and if you desaturate by 10%, it is **25.1196, 32.0646, 60.1241**.

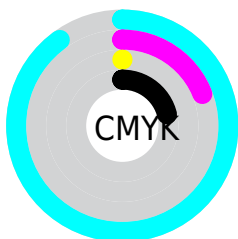
Distribution



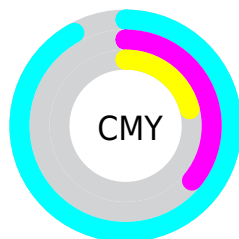
- Red (8%)
- Green (64%)
- Blue (79%)



- Red (8%)
- Yellow (39%)
- Blue (79%)



- Cyan (90%)
- Magenta (19%)
- Yellow (0%)
- Black (21%)



- Cyan (92%)
- Magenta (36%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7514, 30.2064, 59.8369 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 23.7514, 30.2064, 59.8369 by changing the saturation by 10% instead.

■ 23.7514, 30.2064,
59.8369

■ 23.7514, 30.2064,
59.8369

264.0251,
302.8653, 441.7843

■ 15.2730, 19.9953,
42.8627

■ 49.0818, 59.9884,
106.1341

■ 9.0988, 12.3916,
29.4468

■ 66.6647, 80.3282,
136.2942

■ 4.8633, 7.0110,
19.1706

■ 88.0130, 104.8129,
171.6867

■ 2.2012, 3.4690,
11.6156

■ 113.4922,
133.8270, 212.7302

■ 0.7434, 1.3812,
6.3631

■ 143.4677,
167.7549, 259.8431

■ 0.0000, 0.2028,
2.9948

178.3047,

■ 0.0000, 0.0000,

206.9810, 313.4441

1.0920

218.3688,
251.8897, 373.9516

■ 0.0000, 0.0000,
0.0000

■ 23.7514, 30.2064,
59.8369

■ 23.7514, 30.2064,
59.8369

■ 22.7162, 28.5640,
59.5750

■ 25.1196, 32.0646,
60.1241

■ 26.9196, 34.1842,
60.4383

■ 29.2079, 36.5953,
60.7831

■ 32.0314, 39.3225,
61.1607

■ 35.4315, 42.3875,
61.5731

■ 39.4451, 45.8096,
62.0221

■ 44.1061, 49.6067,
62.5093

■ 49.4459, 53.7953,
63.0364

■ 55.4936, 58.3908,
63.6046

Harmonies

Analogous

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



21.1259, 30.2064, 45.5472



23.7514, 30.2064, 59.8369



27.9516, 30.2064, 67.0147

Triad

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



23.7514, 30.2064, 59.8369



38.9585, 30.2064, 35.1309



24.9391, 30.2064, 14.2677

Complementary

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



23.7514, 30.2064, 59.8369



25.7794, 15.5987, 2.3152

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.



29.4826, 30.2064, 12.9128



23.7514, 30.2064, 59.8369



37.9221, 30.2064, 22.8255

Square

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



23.7514, 30.2064, 59.8369



37.0081, 30.2064, 50.4294



34.3154, 30.2064, 15.5612



21.7559, 30.2064, 19.9766

Rectangle

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



23.7514, 30.2064, 59.8369



31.2156, 30.2064, 65.6681



34.3154, 30.2064, 15.5612



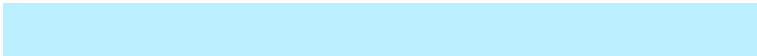
26.3427, 30.2064, 13.3703

Sweetspot

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



23.7524, 30.2075, 59.8377



69.5443, 80.0942, 106.4021



21.8951, 42.2104, 10.7632



14.3281, 16.6814, 22.7146



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.



23.7524, 30.2075, 59.8377



38.7157, 48.5513, 101.9386



13.3019, 9.3063, 56.3541



10.7453, 11.6646, 13.6027



14.3521, 18.0981, 37.4812



0.7293, 0.9564, 1.7913

Inverse Universe

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



30.8600, 15.5276, 35.5540



51.6711, 25.4324, 56.8593



34.6026, 33.2451, 5.2562



10.9815, 10.7760, 12.8856



19.0436, 9.3670, 21.2372



0.9268, 0.4536, 1.1377

Previews

White Background



This preview shows how the XYZ color 23.7514, 30.2064, 59.8369 looks on a white background.

Color Contrast Check

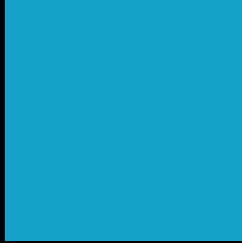
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.7514, 30.2064, 59.8369 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 ✓ Pass

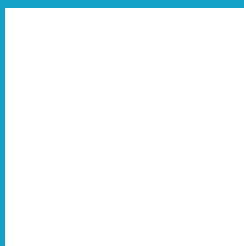
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7514, 30.2064, 59.8369

Background



This preview shows how black text looks on a background with the XYZ color 23.7514, 30.2064, 59.8369.

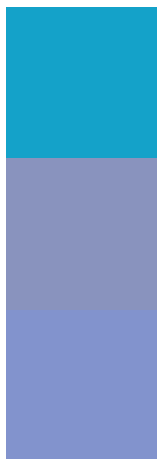


This preview shows how white text looks on a background with the XYZ color 23.7514, 30.2064,

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

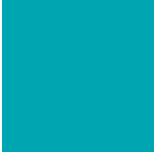
23.7514, 30.2064, 59.8369

Protanopia

30.0445, 29.9035, 52.9036

Deuteranopia

30.6591, 30.0210, 61.9363



Tritanopia

21.4910, 30.1246, 46.8014

Trichromacy



Original Color

23.7514, 30.2064, 59.8369

Protanomaly

25.5819, 28.7312, 55.2363

Deuteranomaly

26.3438, 28.9898, 61.3339

Tritanomaly

22.2260, 30.1413, 51.1008

Monochromacy



Original Color

23.7514, 30.2064, 59.8369

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.5937, 22.4224, 33.0537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7514, 30.2064, 59.8369 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(20, 162, 201)` looks like.

```
.text, #text, p{  
    color:rgb(20, 162, 201)  
}
```

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(20, 162, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 162, 201) }
```

Border

The CSS property to change the border of an element to XYZ 23.7514, 30.2064, 59.8369 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(20, 162, 201) }
```


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

```
.border{ border-color:rgb(20, 162, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 162, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 162, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 162, 201);  
box-shadow:4px 4px 4px 4px rgb(20, 162,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7514, 30.2064, 59.8369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 162, 201) }
```

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

```
.background{ background-color: rgb(20, 162,  
201) }
```

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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