

Converting Colors

XYZ(24.4627, 31.0450, 61.8315)

Have a look what the booklet for
XYZ(24.4627, 31.0450, 61.8315)
contains.

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Color

**XYZ(24.4630, 31.0593,
61.8324)**

Conversions

Conversions Part 1

Format	Color
Hex	14A4CC
RGB	20, 164, 204
RGB Percent	8%, 64%, 80%
CMY	0.9215, 0.3569, 0.2000
CMYK	0.90, 0.20, 0.00, 0.20
HSL	193°, 82%, 44%
HSV	193°, 90%, 80%
XYZ	24.4630, 31.0593, 61.8324
YIQ	125.5040, -98.6640, -18.0880

Conversions

Conversions Part 2

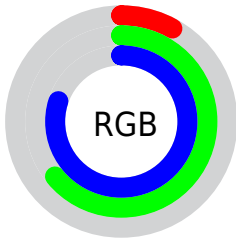
Format	Color
R _Y B	20, 101, 204
Decimal	1352908
CIE Lab	62.56, -20.56, -30.18
CIE LCh	63, 36.516, 235.730
Yxy	31.0593, 0.2085, 0.2647
Android (android.graphics.Color)	4279542988 (0xFF14A4CC)
YUV	125.5040, 38.6985, -92.5270
Hunter-Lab	55.7309, -19.1767, -26.7696

Details

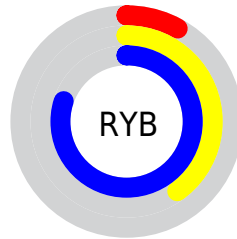
The XYZ color **24.4630, 31.0593, 61.8324** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.6457, 16.1224, 2.3706**, and the grayscale version is **19.5632, 20.5820, 22.4138**.

A 20% lighter version of the original color is **49.2072, 60.8863, 103.7665**, and **11.2992, 13.7903, 30.9204** is the 20% darker color. If you saturate the color by 10%, you get **23.4091, 29.3795, 61.5643**, and if you desaturate by 10%, it is **25.8744, 32.9864, 62.1306**.

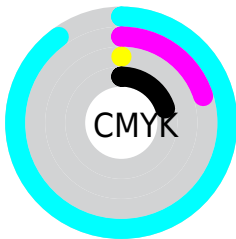
Distribution



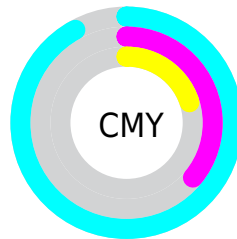
- Red (8%)
- Green (64%)
- Blue (80%)



- Red (8%)
- Yellow (40%)
- Blue (80%)



- Cyan (90%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)



- Cyan (92%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4630, 31.0593, 61.8324 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 24.4630, 31.0593, 61.8324 by changing the saturation by 10% instead.

■ 24.4630, 31.0593,
61.8324

■ 24.4630, 31.0593,
61.8324

267.5502,
306.8114, 449.3102

■ 15.8040, 20.6440,
44.4624

■ 50.2339, 61.3334,
109.0525

■ 9.4755, 12.8640,
30.6943

■ 68.0765, 81.9610,
139.7397

■ 5.1122, 7.3350,
20.1097

■ 89.7111, 106.7616,
175.7030

■ 2.3487, 3.6725,
12.2899

■ 115.5029,
136.1194, 217.3609

■ 0.8194, 1.4921,
6.8165

■ 145.8174,
170.4189, 265.1321

■ 0.0000, 0.2831,
3.2709

181.0199,

■ 0.0000, 0.0000,

210.0444, 319.4350

1.2346

221.4757,
255.3805, 380.6882

■ 0.0000, 0.0000,
0.0073

■ 0.0000, 0.0000,
0.0000

■ 24.4630, 31.0593,
61.8324

■ 24.4630, 31.0593,
61.8324

■ 23.4091, 29.3795,
61.5643

■ 25.8744, 32.9864,
62.1306

■ 27.7321, 35.1846,
62.4570

■ 30.0950, 37.6851,
62.8151

■ 33.0118, 40.5135,
63.2073

■ 36.5255, 43.6922,
63.6357

■ 40.6745, 47.2416,
64.1021

■ 45.4940, 51.1801,
64.6083

■ 51.0165, 55.5248,
65.1558

■ 57.2725, 60.2918,
65.7462

Harmonies

Analogous

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



21.7260, 31.0593, 47.1371



24.4630, 31.0593, 61.8324



28.8156, 31.0593, 69.0855

Triad

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



24.4630, 31.0593, 61.8324



40.1061, 31.0593, 35.8959



25.5657, 31.0593, 14.6778

Complementary

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



24.4630, 31.0593, 61.8324



26.6457, 16.1224, 2.3706

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.



30.2377, 31.0593, 13.2180



24.4630, 31.0593, 61.8324



38.9876, 31.0593, 23.2793

Square

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



24.4630, 31.0593, 61.8324



38.1379, 31.0593, 51.6767



35.2320, 31.0593, 15.8764



22.3108, 31.0593, 20.6363

Rectangle

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



24.4630, 31.0593, 61.8324



32.1867, 31.0593, 67.5696



35.2320, 31.0593, 15.8764



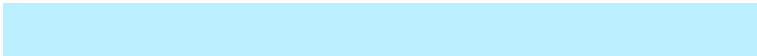
27.0066, 31.0593, 13.7315

Sweetspot

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



24.4641, 31.0604, 61.8332



69.5054, 80.0164, 106.3891



22.6947, 43.6602, 11.4904



14.3188, 16.6628, 22.7115



0.0000, 0.0000, 0.0000



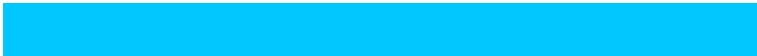
20.3446, 21.4041, 23.3091

Same Dimension

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



24.4641, 31.0604, 61.8332



38.6024, 48.3248, 101.9008



13.5154, 9.1631, 58.1836



11.3283, 12.2970, 14.3469



14.8046, 18.6332, 38.7726



0.8165, 1.0668, 2.0178

Inverse Universe

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



31.8537, 16.0191, 36.5361



51.6139, 25.4096, 56.5583



36.2365, 35.3039, 5.5675



11.5791, 11.3604, 13.5839



19.6836, 9.6840, 21.8502



1.0421, 0.5102, 1.2674

Previews

White Background



This preview shows how the XYZ color 24.4630, 31.0593, 61.8324 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 24.4630, 31.0593, 61.8324 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 24.4630, 31.0593, 61.8324

Background



This preview shows how black text looks on a background with the XYZ color 24.4630, 31.0593, 61.8324.

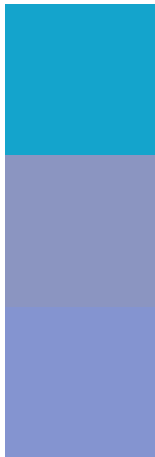


This preview shows how white text looks on a background with the XYZ color 24.4630, 31.0593,

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

24.4630, 31.0593, 61.8324

Protanopia

31.0205, 30.8341, 54.7687

Deuteranopia

31.4908, 30.6394, 63.9288



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



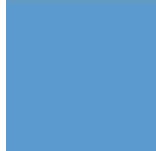
Original Color

24.4630, 31.0593, 61.8324



Protanomaly

26.4575, 29.6292, 57.1479



Deuteranomaly

27.1325, 29.8403, 63.3612



Tritanomaly

22.9091, 30.9917, 52.9187

Monochromacy



Original Color

24.4630, 31.0593, 61.8324



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

19.1413, 23.1155, 34.0247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4630, 31.0593, 61.8324 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, 164, 204)` looks like.

```
.text, #text, p{  
    color:rgb(20, 164, 204)  
}
```

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, 164, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 164, 204) }
```

Border

The CSS property to change the border of an element to XYZ 24.4630, 31.0593, 61.8324 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, 164, 204) }
```


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

```
.border{ border-color:rgb(20, 164, 204) }
```

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

Here you see how a box with a 4 pixel rgb(20, 164, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 164, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 164, 204);  
box-shadow:4px 4px 4px 4px rgb(20, 164,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4630, 31.0593, 61.8324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 164, 204) }
```

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

```
.background{ background-color: rgb(20, 164,  
204) }
```

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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