

Converting Colors

XYZ(22.4219, 26.4101, 64.3024)

Have a look what the booklet for
XYZ(22.4219, 26.4101, 64.3024)
contains.

XYZ(22.4150, 26.4161, 64.2390)	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(22.4150, 26.4161,
64.2390)**

Conversions

Conversions Part 1

Format	Color
Hex	0096D1
RGB	0, 150, 209
RGB Percent	0%, 59%, 82%
CMY	0.9998, 0.4118, 0.1804
CMYK	1.00, 0.28, 0.00, 0.18
HSL	197°, 100%, 41%
HSV	197°, 100%, 82%
XYZ	22.4150, 26.4161, 64.2390
YIQ	111.8760, -108.3390, -13.4510

Conversions

Conversions Part 2

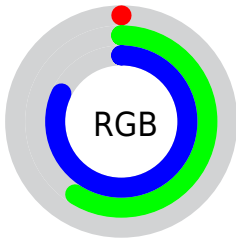
Format	Color
RYB	0, 87, 209
Decimal	38609
CIELab	58.43, -11.91, -39.41
CIElCh	58, 41.174, 253.193
Yxy	26.4161, 0.1982, 0.2336
Android (android.graphics.Color)	4278228689 (0xFF0096D1)
YUV	111.8760, 47.8821, -98.1153
Hunter-Lab	51.3966, -12.0969, -38.1271

Details

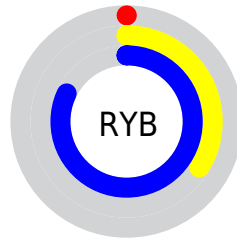
The XYZ color **22.4150, 26.4161, 64.2390** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.8618, 16.6890, 1.7544**, and the grayscale version is **15.2568, 16.0513, 17.4799**.

A 20% lighter version of the original color is **45.0097, 53.1724, 102.4988**, and **10.2946, 11.2568, 32.2020** is the 20% darker color. If you saturate the color by 10%, you get **22.4128, 26.4117, 64.2388**, and if you desaturate by 10%, it is **23.6892, 28.5068, 64.5759**.

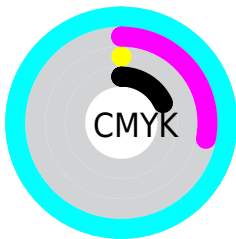
Distribution



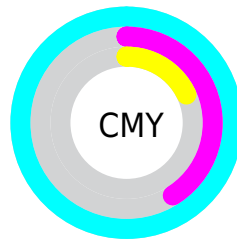
- Red (0%)
- Green (59%)
- Blue (82%)



- Red (0%)
- Yellow (34%)
- Blue (82%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (41%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4150, 26.4161, 64.2390 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 22.4150, 26.4161, 64.2390 by changing the saturation by 10% instead.

■ 22.4150, 26.4161,
64.2390

■ 22.4150, 26.4161,
64.2390

257.2977,
284.8187, 458.2833

■ 14.2805, 17.1352,
46.3969

■ 46.9047, 53.9455,
112.5578

■ 8.3990, 10.3309,
32.2082

■ 63.9906, 72.9627,
143.8716

■ 4.4052, 5.6189,
21.2544

■ 84.7910, 95.9942,
180.5130

■ 1.9339, 2.6148,
13.1171

■ 109.6712,
123.4243, 222.9006

■ 0.5964, 0.9341,
7.3775

■ 138.9966,
155.6374, 271.4529

■ 0.0000, 0.0000,
3.6173

173.1326,

■ 0.0000, 0.0000,

193.0179, 326.5884

1.4178

212.4445,
235.9502, 388.7257

■ 0.0000, 0.0000,
0.1556

■ 0.0000, 0.0000,
0.0000

■ 22.4150, 26.4161,
64.2390

■ 22.4150, 26.4161,
64.2390

■ 22.4128, 26.4117,
64.2388

■ 23.6892, 28.5068,
64.5759

■ 25.3435, 30.8645,
64.9438

■ 27.4914, 33.5490,
65.3488

■ 30.1944, 36.5930,
65.7939

■ 33.5045, 40.0244,
66.2817

■ 37.4677, 43.8676,
66.8147

■ 42.1249, 48.1448,
67.3948

■ 47.5138, 52.8762,
68.0240

■ 53.6691, 58.0807,
68.7042

Harmonies

Analogous

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



18.6989, 26.4161, 52.1783



22.4150, 26.4161, 64.2390



27.3793, 26.4161, 65.0141

Triad

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



22.4150, 26.4161, 64.2390



35.7445, 26.4161, 22.8953



19.0553, 26.4161, 12.9318

Complementary

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



22.4150, 26.4161, 64.2390



27.8618, 16.6890, 1.7544

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.



22.9654, 26.4161, 9.3513



22.4150, 26.4161, 64.2390



32.8354, 26.4161, 13.6699

Square

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



22.4150, 26.4161, 64.2390



35.5452, 26.4161, 37.5334



28.0079, 26.4161, 9.5666



16.9441, 26.4161, 21.4772

Rectangle

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



22.4150, 26.4161, 64.2390



30.7806, 26.4161, 58.7078



28.0079, 26.4161, 9.5666



20.1786, 26.4161, 11.2585

Sweetspot

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



22.4160, 26.4170, 64.2397



65.7770, 75.2482, 105.6653



23.5096, 45.8850, 11.3300



13.3868, 15.4780, 22.5319



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.



22.4160, 26.4170, 64.2397



34.9828, 41.0855, 100.6943



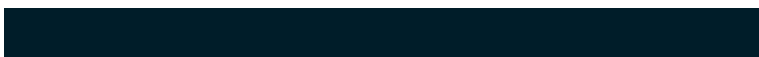
12.5997, 6.7845, 60.9676



11.8645, 12.8193, 15.0927



13.9063, 16.4591, 39.6365



0.8430, 1.0512, 2.2380

Inverse Universe

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



31.8005, 15.7587, 30.2204



49.7869, 24.6788, 46.9373



38.9086, 38.7828, 5.4367



12.1625, 11.9497, 14.1316



19.6500, 9.7328, 18.8607



1.1317, 0.5574, 1.2285

Previews

White Background



This preview shows how the XYZ color 22.4150, 26.4161, 64.2390 looks on a white 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

Black Background



This preview shows how the XYZ color 22.4150, 26.4161, 64.2390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

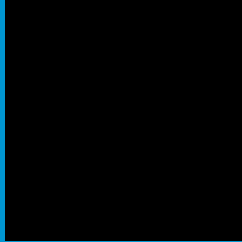
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4150, 26.4161, 64.2390

Background



This preview shows how black text looks on a background with the XYZ color 22.4150, 26.4161, 64.2390.

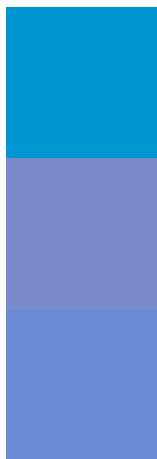


This preview shows how white text looks on a background with the XYZ color 22.4150, 26.4161,

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

22.4150, 26.4161, 64.2390

Protanopia

27.1430, 26.2935, 57.6774

Deuteranopia

27.0601, 26.2829, 65.9342



Tritanopia

18.6964, 26.2327, 40.6372

Trichromacy



Original Color

22.4150, 26.4161, 64.2390

Protanomaly

23.4330, 25.1943, 60.1278

Deuteranomaly

23.8951, 25.5414, 65.2986

Tritanomaly

19.8347, 26.1599, 48.2599

Monochromacy



Original Color

22.4150, 26.4161, 64.2390

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.3258, 18.3679, 30.3414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4150, 26.4161, 64.2390 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(0, 150, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 209)  
}
```

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(0, 150, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 209) }
```

Border

The CSS property to change the border of an element to XYZ 22.4150, 26.4161, 64.2390 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(0, 150, 209) }
```


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

```
.border{ border-color:rgb(0, 150, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4150, 26.4161, 64.2390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 209) }
```

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

```
.background{ background-color: rgb(0, 150,  
209) }
```

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