

Converting Colors

XYZ(24.0283, 28.6517, 65.5439)

Have a look what the booklet for
XYZ(24.0283, 28.6517, 65.5439)
contains.

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Color

**XYZ(24.0002, 28.6770,
65.2430)**

Conversions

Conversions Part 1

Format	Color
Hex	1C9CD2
RGB	28, 156, 210
RGB Percent	11%, 61%, 82%
CMY	0.8901, 0.3882, 0.1765
CMYK	0.87, 0.26, 0.00, 0.18
HSL	198°, 76%, 47%
HSV	198°, 87%, 82%
XYZ	24.0002, 28.6770, 65.2430
YIQ	123.8840, -93.6220, -10.3420

Conversions

Conversions Part 2

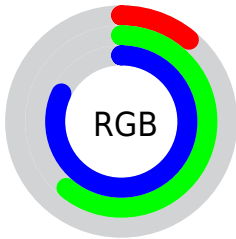
Format	Color
R _Y B	28, 103, 210
Decimal	1875154
CIE Lab	60.50, -13.69, -36.72
CIE LCh	60, 39.192, 249.553
Yxy	28.6770, 0.2035, 0.2432
Android (android.graphics.Color)	4280065234 (0xFF1C9CD2)
YUV	123.8840, 42.4552, -84.0903
Hunter-Lab	53.5509, -13.7148, -34.7495

Details

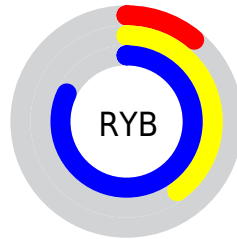
The XYZ color **24.0002, 28.6770, 65.2430** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.8072, 19.8232, 3.3552**, and the grayscale version is **19.0075, 19.9974, 21.7772**.

A 20% lighter version of the original color is **47.2809, 56.5013, 103.0216**, and **10.9680, 12.4697, 32.8392** is the 20% darker color. If you saturate the color by 10%, you get **22.5906, 26.4381, 64.8857**, and if you desaturate by 10%, it is **25.8621, 31.2296, 65.6382**.

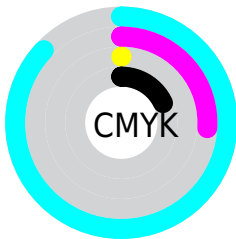
Distribution



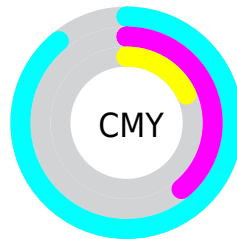
- Red (11%)
- Green (61%)
- Blue (82%)



- Red (11%)
- Yellow (40%)
- Blue (82%)



- Cyan (87%)
- Magenta (26%)
- Yellow (0%)
- Black (18%)



- Cyan (89%)
- Magenta (39%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0002, 28.6770, 65.2430 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 24.0002, 28.6770, 65.2430 by changing the saturation by 10% instead.

■ 24.0002, 28.6770,
65.2430

■ 24.0002, 28.6770,
65.2430

265.2619,
295.6879, 461.9948

■ 15.4585, 18.8366,
47.2056

■ 49.4852, 57.5635,
114.0158

■ 9.2302, 11.5523,
32.8427

■ 67.1592, 77.3784,
145.5882

■ 4.9500, 6.4396,
21.7358

■ 88.6080, 101.2870,
182.5093

■ 2.2524, 3.1142,
13.4665

■ 114.1971,
129.6735, 225.1977

■ 0.7701, 1.1916,
7.6160

■ 144.2916,
162.9225, 274.0719

■ 0.0000, 0.0549,
3.7660

179.2570,

■ 0.0000, 0.0000,

201.4183, 329.5505

1.4979

219.4587,
245.5453, 392.0519

■ 0.0000, 0.0000,
0.2164

■ 0.0000, 0.0000,
0.0000

■ 24.0002, 28.6770,
65.2430

■ 24.0002, 28.6770,
65.2430

■ 22.5906, 26.4381,
64.8857

■ 25.8621, 31.2296,
65.6382

■ 22.1739, 25.7351,
64.7720

■ 28.2488, 34.1332,
66.0728

■ 31.2203, 37.4202,
66.5507

■ 34.8269, 41.1175,
67.0742

■ 39.1132, 45.2495,
67.6459

■ 44.1198, 49.8379,
68.2676

■ 49.8837, 54.9030,
68.9415

■ 56.4394, 60.4636,
69.6693

■ 63.8192, 66.5372,
70.4527

Harmonies

Analogous

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



20.4283, 28.6770, 52.5159



24.0002, 28.6770, 65.2430



28.9017, 28.6770, 67.5042

Triad

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



24.0002, 28.6770, 65.2430



38.0088, 28.6770, 26.8289



21.5240, 28.6770, 14.3037

Complementary

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



24.0002, 28.6770, 65.2430



29.8072, 19.8232, 3.3552

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.



25.6752, 28.6770, 11.0326



24.0002, 28.6770, 65.2430



35.4586, 28.6770, 16.6413

Square

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



24.0002, 28.6770, 65.2430



37.4158, 28.6770, 41.9932



30.7950, 28.6770, 11.7304



19.1261, 28.6770, 22.4746

Rectangle

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



24.0002, 28.6770, 65.2430



32.3371, 28.6770, 62.2379



30.7950, 28.6770, 11.7304



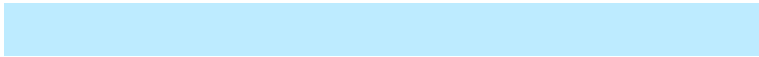
22.7383, 28.6770, 12.7299

Sweetspot

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



24.0012, 28.6780, 65.2437



68.7639, 77.6045, 105.9627



24.9588, 46.9138, 15.2485



14.1047, 16.0571, 22.6059



0.0000, 0.0000, 0.0000



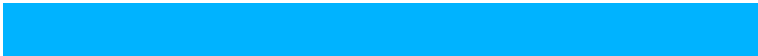
20.3446, 21.4041, 23.3091

Same Dimension

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



24.0012, 28.6780, 65.2437



34.2371, 39.5943, 100.4457



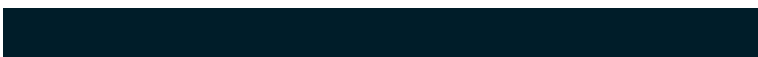
14.1464, 8.9684, 61.9588



11.8498, 12.7899, 15.0878



13.6168, 15.8803, 39.5400



0.8286, 1.0225, 2.2333

Inverse Universe

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



32.9953, 16.9336, 32.9829



49.4105, 24.5282, 44.9554



41.2706, 42.7500, 7.1763



12.1551, 11.9468, 14.0926



19.5039, 9.6744, 18.0914



1.1245, 0.5545, 1.1904

Previews

White Background



This preview shows how the XYZ color 24.0002, 28.6770, 65.2430 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 24.0002, 28.6770, 65.2430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

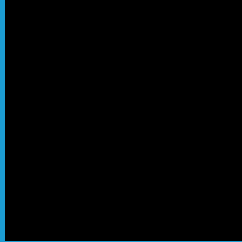
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.0002, 28.6770, 65.2430

Background



This preview shows how black text looks on a background with the XYZ color 24.0002, 28.6770, 65.2430.

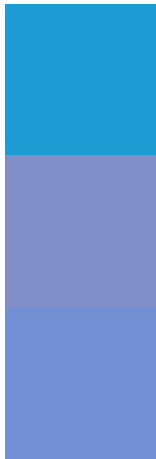


This preview shows how white text looks on a background with the XYZ color 24.0002, 28.6770,

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

24.0002, 28.6770, 65.2430

Protanopia

29.1499, 28.4042, 58.5898

Deuteranopia

29.1860, 28.4636, 66.9066



Tritanopia

20.3849, 28.5457, 44.4799

Trichromacy



Original Color

24.0002, 28.6770, 65.2430

Protanomaly

25.9026, 27.8148, 61.1303

Deuteranomaly

26.1297, 27.8181, 66.2796

Tritanomaly

21.4930, 28.4487, 51.3721

Monochromacy



Original Color

24.0002, 28.6770, 65.2430

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8404, 22.0987, 34.2828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0002, 28.6770, 65.2430 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(28, 156, 210)` looks like.

```
.text, #text, p{  
    color:rgb(28, 156, 210)  
}
```

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(28, 156, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 156, 210) }
```

Border

The CSS property to change the border of an element to XYZ 24.0002, 28.6770, 65.2430 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(28, 156, 210) }
```


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

```
.border{ border-color:rgb(28, 156, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 156, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 156, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 156, 210);  
box-shadow:4px 4px 4px 4px rgb(28, 156,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0002, 28.6770, 65.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 156, 210) }
```

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

```
.background{ background-color: rgb(28, 156,  
210) }
```

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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