

Converting Colors

XYZ(22.4137, 24.0305, 68.9323)

Have a look what the booklet for
XYZ(22.4137, 24.0305, 68.9323)
contains.

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Color

**XYZ(22.4379, 24.0419,
69.1036)**

Conversions

Conversions Part 1

Format	Color
Hex	1E8CD9
RGB	30, 140, 217
RGB Percent	12%, 55%, 85%
CMY	0.8823, 0.4510, 0.1490
CMYK	0.86, 0.35, 0.00, 0.15
HSL	205°, 76%, 48%
HSV	205°, 86%, 85%
XYZ	22.4379, 24.0419, 69.1036
YIQ	115.8880, -90.2770, 0.6270

Conversions

Conversions Part 2

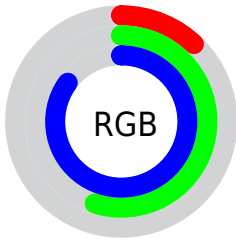
Format	Color
R_{YB}	30, 99, 217
Decimal	2002137
CIE _{Lab}	56.13, -1.89, -47.51
CIE _{LCh}	56, 47.550, 267.728
Yxy	24.0419, 0.1941, 0.2080
Android (android.graphics.Color)	4280192217 (0xFF1E8CD9)
YUV	115.8880, 49.8482, -75.3238
Hunter-Lab	49.0325, -4.1231, -49.2371

Details

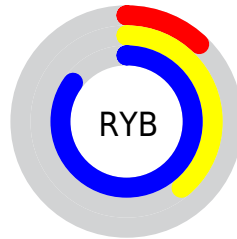
The XYZ color **22.4379, 24.0419, 69.1036** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **34.1103, 25.3660, 4.3282**, and the grayscale version is **16.4407, 17.2969, 18.8363**.

A 20% lighter version of the original color is **43.5504, 48.6749, 101.7076**, and **10.1778, 9.9210, 35.5609** is the 20% darker color. If you saturate the color by 10%, you get **20.7537, 21.3135, 68.6663**, and if you desaturate by 10%, it is **24.6641, 27.2077, 69.5979**.

Distribution



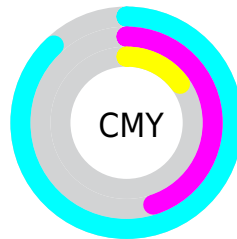
- Red (12%)
- Green (55%)
- Blue (85%)



- Red (12%)
- Yellow (39%)
- Blue (85%)



- Cyan (86%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)



- Cyan (88%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4379, 24.0419, 69.1036 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 22.4379, 24.0419, 69.1036 by changing the saturation by 10% instead.

■ 22.4379, 24.0419,
69.1036

■ 22.4379, 24.0419,
69.1036

257.4142,
273.0322, 476.1001

■ 14.2974, 15.3647,
50.3238

■ 46.9422, 50.0986,
119.5986

■ 8.4109, 9.0757,
35.2978

■ 64.0367, 68.2468,
152.1509

■ 4.4130, 4.7906,
23.6070

■ 84.8466, 90.3209,
190.1312

■ 1.9383, 2.1249,
14.8328

■ 109.7372,
116.7052, 233.9579

■ 0.5990, 0.6786,
8.5568

■ 139.0739,
147.7841, 284.0496

■ 0.0000, 0.0000,
4.3604

173.2221,

■ 0.0000, 0.0000,

183.9419, 340.8248

1.8251

212.5471,
225.5632, 404.7022

■ 0.0000, 0.0000,
0.4444

■ 0.0000, 0.0000,
0.0000

■ 22.4379, 24.0419,
69.1036

■ 22.4379, 24.0419,
69.1036

■ 20.7537, 21.3135,
68.6663

■ 24.6641, 27.2077,
69.5979

■ 20.1964, 20.3536,
68.5103

■ 27.5097, 30.8536,
70.1516

■ 31.0407, 35.0173,
70.7692

■ 35.3127, 39.7310,
71.4538

■ 40.3754, 45.0234,
72.2085

■ 46.2738, 50.9209,
73.0360

■ 53.0492, 57.4481,
73.9388

■ 60.7403, 64.6277,
74.9192

■ 69.3830, 72.4813,
75.9796

Harmonies

Analogous

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



17.6976, 24.0419, 60.6582



22.4379, 24.0419, 69.1036



28.0846, 24.0419, 62.7670

Triad

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



22.4379, 24.0419, 69.1036



33.4448, 24.0419, 14.5449



15.0831, 24.0419, 13.1952

Complementary

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



22.4379, 24.0419, 69.1036



34.1103, 25.3660, 4.3282

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.



18.3118, 24.0419, 7.5792



22.4379, 24.0419, 69.1036



28.9189, 24.0419, 8.1123

Square

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



22.4379, 24.0419, 69.1036



35.0100, 24.0419, 27.3863



23.2694, 24.0419, 6.1771



13.8942, 24.0419, 25.0049

Rectangle

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



22.4379, 24.0419, 69.1036



31.5203, 24.0419, 52.0155



23.2694, 24.0419, 6.1771



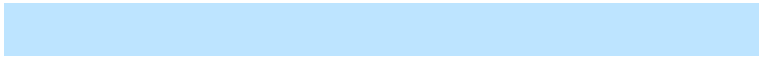
15.9378, 24.0419, 10.7290

Sweetspot

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



22.4389, 24.0427, 69.1042



66.6220, 73.3206, 105.2487



27.8895, 50.9186, 21.6731



13.5944, 15.0365, 22.4358



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.



22.4389, 24.0427, 69.1042



28.9543, 29.0287, 98.6848



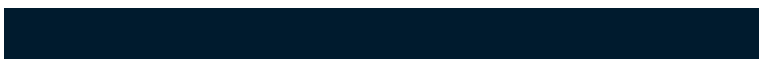
14.1473, 7.4596, 66.3404



12.9720, 13.8837, 16.6483



12.3321, 12.5337, 41.5077



0.8831, 0.9802, 2.7171

Inverse Universe

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



33.8141, 17.5751, 26.4215



46.7440, 23.4616, 30.9137



49.1136, 55.3726, 9.3293



13.3757, 13.1794, 15.2398



19.7200, 9.8890, 13.4376



1.3200, 0.6576, 1.0941

Previews

White Background



This preview shows how the XYZ color 22.4379, 24.0419, 69.1036 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 22.4379, 24.0419, 69.1036 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

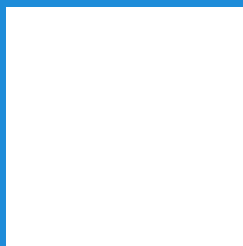
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4379, 24.0419, 69.1036

Background



This preview shows how black text looks on a background with the XYZ color 22.4379, 24.0419, 69.1036.



This preview shows how white text looks on a background with the XYZ color 22.4379, 24.0419,

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

22.4379, 24.0419, 69.1036

Protanopia

25.4506, 23.8393, 63.5817

Deuteranopia

24.5733, 23.8615, 69.6402



Tritanopia

17.0926, 24.0330, 36.9957

Trichromacy



Original Color

22.4379, 24.0419, 69.1036

Protanomaly

23.5506, 23.4234, 65.5673

Deuteranomaly

23.4457, 23.6944, 69.6674

Tritanomaly

18.7574, 23.9651, 47.3532

Monochromacy



Original Color

22.4379, 24.0419, 69.1036

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.8297, 18.8984, 32.8977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4379, 24.0419, 69.1036 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(30, 140, 217)` looks like.

```
.text, #text, p{  
    color:rgb(30, 140, 217)  
}
```

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(30, 140, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 140, 217) }
```

Border

The CSS property to change the border of an element to XYZ 22.4379, 24.0419, 69.1036 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(30, 140, 217) }
```


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

```
.border{ border-color:rgb(30, 140, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 140, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 140, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 140, 217);  
box-shadow:4px 4px 4px 4px rgb(30, 140,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4379, 24.0419, 69.1036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 140, 217) }
```

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

```
.background{ background-color: rgb(30, 140,  
217) }
```

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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