

Converting Colors

XYZ(22.7734, 24.0004, 69.4357)

Have a look what the booklet for
XYZ(22.7734, 24.0004, 69.4357)
contains.

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Color

**XYZ(22.8424, 24.0194,
69.7620)**

Conversions

Conversions Part 1

Format	Color
Hex	2A8BDA
RGB	42, 139, 218
RGB Percent	16%, 55%, 85%
CMY	0.8352, 0.4549, 0.1451
CMYK	0.81, 0.36, 0.00, 0.15
HSL	207°, 70%, 51%
HSV	207°, 81%, 85%
XYZ	22.8424, 24.0194, 69.7620
YIQ	119.0030, -83.1710, 4.0050

Conversions

Conversions Part 2

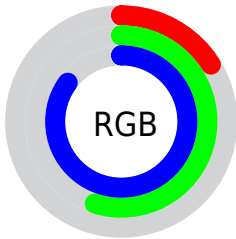
Format	Color
R _Y B	42, 105, 218
Decimal	2788314
CIE Lab	56.11, 0.06, -48.10
CIE LCh	56, 48.095, 270.069
Yxy	24.0194, 0.1959, 0.2060
Android (android.graphics.Color)	4280978394 (0xFF2A8BDA)
YUV	119.0030, 48.8055, -67.5316
Hunter-Lab	49.0096, -2.5715, -50.0888




Details

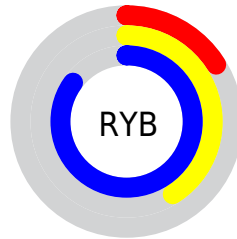
The XYZ color **22.8424, 24.0194, 69.7620** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **36.1715, 28.7519, 5.8354**, and the grayscale version is **17.4069, 18.3134, 19.9433**.




A 20% lighter version of the original color is **43.9699, 48.5641, 101.6641**, and **10.2670, 9.9567, 36.0310** is the 20% darker color. If you saturate the color by 10%, you get **20.8265, 20.9702, 69.2802**, and if you desaturate by 10%, it is **25.4714, 27.5735, 70.3100**.

Distribution







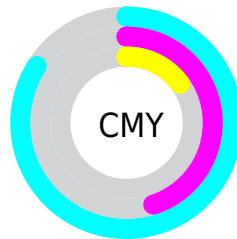
-  Red (16%)
-  Green (55%)
-  Blue (85%)






-  Red (16%)
-  Yellow (41%)
-  Blue (85%)



-  Cyan (81%)
-  Magenta (36%)
-  Yellow (0%)
-  Black (15%)



-  Cyan (84%)
-  Magenta (45%)
-  Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8424, 24.0194, 69.7620 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 22.8424, 24.0194, 69.7620 by changing the saturation by 10% instead.

■ 22.8424, 24.0194,
69.7620

■ 22.8424, 24.0194,
69.7620

259.4650,
272.9185, 478.4804

■ 14.5972, 15.3480,
50.8569

■ 47.6030, 50.0619,
120.5472

■ 8.6217, 9.0640,
35.7188

■ 64.8491, 68.2017,
153.2644

■ 4.5504, 4.7829,
23.9291

■ 85.8263, 90.2665,
191.4228

■ 2.0180, 2.1205,
15.0694

■ 110.8998,
116.6407, 235.4408

■ 0.6440, 0.6761,
8.7209

■ 140.4351,
147.7085, 285.7371

■ 0.0000, 0.0000,
4.4653

174.7975,

■ 0.0000, 0.0000,

183.8546, 342.7300

1.8839

214.3523,
225.4631, 406.8383

■ 0.0000, 0.0000,
0.4825

■ 0.0000, 0.0000,
0.0000

■ 22.8424, 24.0194,
69.7620

■ 22.8424, 24.0194,
69.7620

■ 20.8265, 20.9702,
69.2802

■ 25.4714, 27.5735,
70.3100

■ 19.3882, 18.5284,
68.8847

■ 28.7826, 31.6722,
70.9266

■ 32.8379, 36.3520,
71.6161

■ 37.6909, 41.6451,
72.3820

■ 43.3896, 47.5805,
73.2273

■ 49.9782, 54.1850,
74.1549

■ 57.4975, 61.4838,
75.1674

■ 65.9856, 69.5005,
76.2674

■ 75.4785, 78.2572,
77.4573

Harmonies

Analogous

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



17.9394, 24.0194, 62.2617



22.8424, 24.0194, 69.7620



28.5622, 24.0194, 62.1969

Triad

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



22.8424, 24.0194, 69.7620



33.2849, 24.0194, 13.7026



14.8217, 24.0194, 13.7435

Complementary

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



22.8424, 24.0194, 69.7620



36.1715, 28.7519, 5.8354

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.



17.9207, 24.0194, 7.6981



22.8424, 24.0194, 69.7620



28.5367, 24.0194, 7.6820

Square

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



22.8424, 24.0194, 69.7620



35.1526, 24.0194, 26.1167



22.8170, 24.0194, 6.0284



13.7869, 24.0194, 26.1894

Rectangle

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



22.8424, 24.0194, 69.7620



31.9591, 24.0194, 50.8737



22.8170, 24.0194, 6.0284



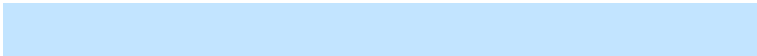
15.6290, 24.0194, 11.1079

Sweetspot

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



22.8434, 24.0202, 69.7626



67.8603, 73.8898, 105.2933



29.3137, 51.9505, 25.7085



13.8049, 15.0929, 22.4356



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.



22.8434, 24.0202, 69.7626



28.1134, 27.2047, 98.3770



14.9182, 8.1698, 67.1209



12.9306, 13.8009, 16.6345



11.7244, 11.3183, 41.3051



0.8451, 0.9044, 2.7045

Inverse Universe

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



34.4026, 18.4269, 26.1700



46.3542, 23.4386, 28.4517



51.4680, 59.3449, 10.9342



13.3548, 13.1710, 15.1297



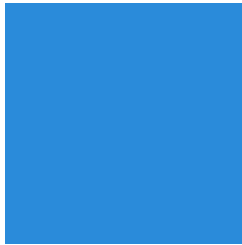
19.4133, 9.7663, 11.8222



1.3009, 0.6500, 0.9934

Previews

White Background



This preview shows how the XYZ color 22.8424, 24.0194, 69.7620 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 22.8424, 24.0194, 69.7620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

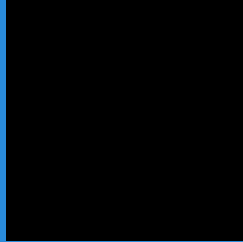
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8424, 24.0194, 69.7620

Background



This preview shows how black text looks on a background with the XYZ color 22.8424, 24.0194, 69.7620.

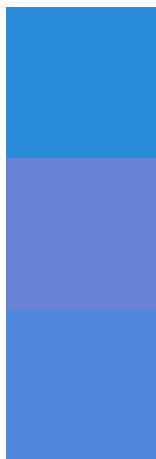


This preview shows how white text looks on a background with the XYZ color 22.8424, 24.0194,

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

22.8424, 24.0194, 69.7620

Protanopia

25.5831, 23.8788, 64.8887

Deuteranopia

24.6195, 23.8701, 70.3276

Trichromacy



Original Color

22.8424, 24.0194, 69.7620

Protanomaly

24.0560, 23.6546, 66.9162

Deuteranomaly

23.8371, 23.8810, 70.3710

Monochromacy



Original Color

22.8424, 24.0194, 69.7620

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6916, 19.5124, 33.8442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8424, 24.0194, 69.7620 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(42, 139, 218)` looks like.

```
.text, #text, p{  
    color:rgb(42, 139, 218)  
}
```

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(42, 139, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 139, 218) }
```

Border

The CSS property to change the border of an element to XYZ 22.8424, 24.0194, 69.7620 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(42, 139, 218) }
```

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

```
.border{ border-color:rgb(42, 139, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 139, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 139, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 139, 218);  
box-shadow:4px 4px 4px 4px rgb(42, 139,  
218) }
```


Background

The CSS property to change the background color of an element to XYZ 22.8424, 24.0194, 69.7620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 139, 218) }
```

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

```
.background{ background-color: rgb(42, 139,  
218) }
```

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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