

Converting Colors

XYZ(13.4793, 17.4780, 83.9071)

Have a look what the booklet for
XYZ(13.4793, 17.4780, 83.9071)
contains.

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Color

**XYZ(23.6839, 22.6756,
84.0175)**

Conversions

Conversions Part 1

Format	Color
Hex	0084EE
RGB	0, 132, 238
RGB Percent	0%, 52%, 93%
CMY	0.9997, 0.4824, 0.0667
CMYK	1.00, 0.45, 0.00, 0.07
HSL	207°, 100%, 47%
HSV	207°, 100%, 93%
XYZ	23.6839, 22.6756, 84.0175
YIQ	104.6160, -112.6980, 4.9820

Conversions

Conversions Part 2

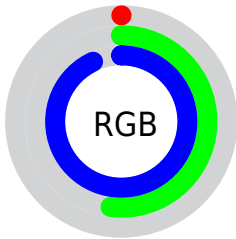
Format	Color
R _{YB}	0, 85, 238
Decimal	34030
CIE _{Lab}	54.74, 9.74, -61.48
CIE _{LCh}	55, 62.249, 278.999
Y _{xy}	22.6756, 0.1817, 0.1739
Android (android.graphics.Color)	4278224110 (0xFF0084EE)
Y _{UV}	104.6160, 65.7583, -91.7482
Hunter-Lab	47.6189, 5.4463, -71.2764

Details

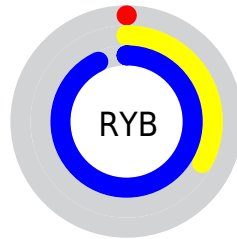
The XYZ color **23.6839, 22.6756, 84.0175** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **40.4213, 28.4990, 3.3723**, and the grayscale version is **13.1794, 13.8657, 15.0998**.

A 20% lighter version of the original color is **41.3748, 44.6891, 101.0529**, and **11.5108, 9.6768, 44.9772** is the 20% darker color. If you saturate the color by 10%, you get **23.6801, 22.6679, 84.0168**, and if you desaturate by 10%, it is **25.5693, 25.8918, 84.5395**.

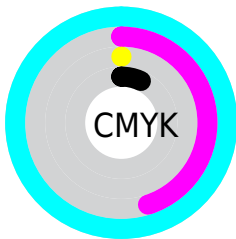
Distribution



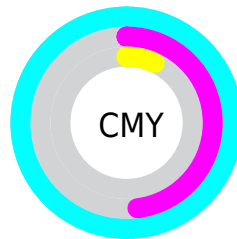
- Red (0%)
- Green (52%)
- Blue (93%)



- Red (0%)
- Yellow (33%)
- Blue (93%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (48%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6839, 22.6756, 84.0175 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 23.6839, 22.6756, 84.0175 by changing the saturation by 10% instead.

■ 23.6839, 22.6756,
84.0175

■ 23.6839, 22.6756,
84.0175

263.6887,
266.0544, 528.4309

■ 15.2228, 14.3542,
62.4844

■ 48.9723, 47.8601,
140.8616

■ 9.0632, 8.3674,
44.9859

■ 66.5303, 65.4920,
177.0097

■ 4.8399, 4.3309,
31.1035

■ 87.8513, 86.9961,
218.8665

■ 2.1874, 1.8603,
20.4185

■ 113.3007,
112.7569, 266.8507

■ 0.7361, 0.5244,
12.5125

■ 143.2437,
143.1587, 321.3806

■ 0.0000, 0.0000,
6.9670

178.0458,

■ 0.0000, 0.0000,

178.5860, 382.8750

3.3633

218.0724,
219.4231, 451.7522

■ 0.0000, 0.0000,
1.2830

■ 0.0000, 0.0000,
0.0478

■ 23.6839, 22.6756,
84.0175

■ 23.6839, 22.6756,
84.0175

■ 23.6801, 22.6679,
84.0168

■ 25.5693, 25.8918,
84.5395

■ 28.0610, 29.6435,
85.1323

■ 31.3069, 34.0131,
85.8046

■ 35.3956, 39.0520,
86.5617

■ 40.4017, 44.8040,
87.4081

■ 46.3912, 51.3086,
88.3480

■ 53.4232, 58.6014,
89.3850

■ 61.5521, 66.7154,
90.5227

■ 70.8281, 75.6814,
91.7644

Harmonies

Analogous

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



17.1593, 22.6756, 79.4732



23.6839, 22.6756, 84.0175



30.9727, 22.6756, 67.2662

Triad

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



23.6839, 22.6756, 84.0175



33.5253, 22.6756, 7.7222



11.4284, 22.6756, 13.4682

Complementary

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



23.6839, 22.6756, 84.0175



40.4213, 28.4990, 3.3723

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.



14.2669, 22.6756, 5.4224



23.6839, 22.6756, 84.0175



26.6380, 22.6756, 3.5421

Square

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



23.6839, 22.6756, 84.0175



37.3965, 22.6756, 19.2360



19.5529, 22.6756, 3.0105



10.9667, 22.6756, 31.0879

Rectangle

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



23.6839, 22.6756, 84.0175



34.9631, 22.6756, 49.7293



19.5529, 22.6756, 3.0105



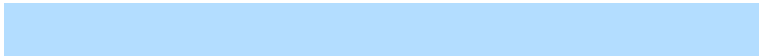
12.1021, 22.6756, 9.8883

Sweetspot

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



23.6849, 22.6762, 84.0181



62.3602, 68.4145, 104.5263



33.0323, 62.1326, 23.1288



12.5715, 13.8475, 22.2602



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.



23.6849, 22.6762, 84.0181



27.6336, 26.3872, 98.2445



15.6178, 6.5420, 81.3291



15.6241, 16.6823, 20.1181



13.3422, 12.9087, 46.9163



1.2091, 1.2721, 3.9360

Inverse Universe

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



39.4258, 19.8447, 23.5825



46.0774, 23.1949, 27.4032



61.4186, 70.4935, 10.3714



16.1397, 15.9056, 18.2919



22.0601, 11.0965, 13.4992



1.8852, 0.9431, 1.3864

Previews

White Background



This preview shows how the XYZ color 23.6839, 22.6756, 84.0175 looks on a white background.

Color Contrast Check

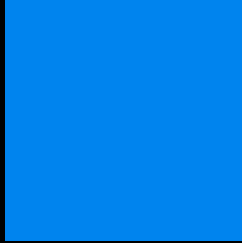
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6839, 22.6756, 84.0175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

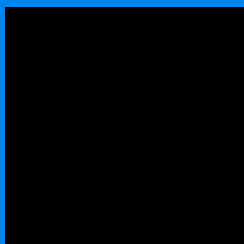
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

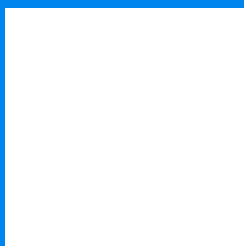
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6839, 22.6756, 84.0175

Background



This preview shows how black text looks on a background with the XYZ color 23.6839, 22.6756, 84.0175.



This preview shows how white text looks on a background with the XYZ color 23.6839, 22.6756,

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

23.6839, 22.6756, 84.0175

Protanopia

25.6056, 22.7674, 80.1358

Deuteranopia

23.3829, 22.7732, 81.7605



Tritanopia

16.0418, 22.6174, 34.5304

Trichromacy



Original Color

23.6839, 22.6756, 84.0175

Protanomaly

24.2109, 22.4025, 81.6453

Deuteranomaly

23.5279, 22.8312, 82.5237

Tritanomaly

18.1350, 22.2589, 49.2395

Monochromacy



Original Color

23.6839, 22.6756, 84.0175

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.1952, 15.7547, 32.4298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6839, 22.6756, 84.0175 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, 132, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 238)  
}
```

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, 132, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 238) }
```

Border

The CSS property to change the border of an element to XYZ 23.6839, 22.6756, 84.0175 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, 132, 238) }
```


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

```
.border{ border-color:rgb(0, 132, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6839, 22.6756, 84.0175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 238) }
```

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

```
.background{ background-color: rgb(0, 132,  
238) }
```

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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