

Converting Colors

XYZ(23.3971, 21.7553, 83.6081)

Have a look what the booklet for
XYZ(23.3971, 21.7553, 83.6081)
contains.

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Color

**XYZ(23.4403, 21.7601,
83.8536)**

Conversions

Conversions Part 1

Format	Color
Hex	1480EE
RGB	20, 128, 238
RGB Percent	8%, 50%, 93%
CMY	0.9214, 0.4980, 0.0667
CMYK	0.92, 0.46, 0.00, 0.07
HSL	210°, 87%, 51%
HSV	210°, 92%, 93%
XYZ	23.4403, 21.7601, 83.8536
YIQ	108.2480, -99.6780, 11.3140

Conversions

Conversions Part 2

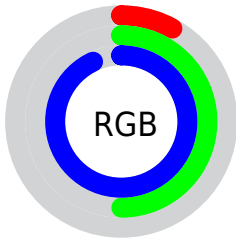
Format	Color
R _Y B	20, 92, 238
Decimal	1343726
CIE Lab	53.77, 12.81, -63.03
CIE LCh	54, 64.317, 281.492
Yxy	21.7601, 0.1816, 0.1686
Android (android.graphics.Color)	4279533806 (0xFF1480EE)
YUV	108.2480, 63.9677, -77.3935
Hunter-Lab	46.6477, 8.0620, -73.9259

Details

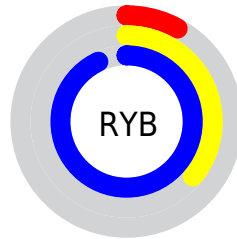
The XYZ color **23.4403, 21.7601, 83.8536** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **43.3750, 34.2044, 4.9798**, and the grayscale version is **14.1733, 14.9114, 16.2386**.

A 20% lighter version of the original color is **41.0533, 43.3073, 100.8031**, and **11.2092, 9.0735, 44.8766** is the 20% darker color. If you saturate the color by 10%, you get **21.8977, 19.1030, 83.4226**, and if you desaturate by 10%, it is **25.8445, 25.4647, 84.4425**.

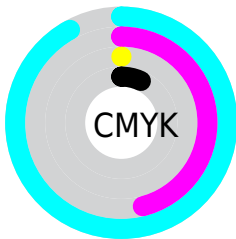
Distribution



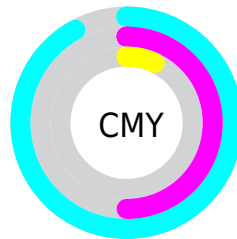
- Red (8%)
- Green (50%)
- Blue (93%)



- Red (8%)
- Yellow (36%)
- Blue (93%)



- Cyan (92%)
- Magenta (46%)
- Yellow (0%)
- Black (7%)



- Cyan (92%)
- Magenta (50%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4403, 21.7601, 83.8536 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 23.4403, 21.7601, 83.8536 by changing the saturation by 10% instead.

■ 23.4403, 21.7601,
83.8536

■ 23.4403, 21.7601,
83.8536

262.4718,
261.2909, 527.8723

■ 15.0414, 13.6807,
62.3499

■ 48.5766, 46.3492,
140.6303

■ 8.9350, 7.8989,
44.8779

■ 66.0448, 63.6277,
176.7403

■ 4.7556, 4.0304,
31.0190

■ 87.2669, 84.7413,
218.5562

■ 2.1378, 1.6906,
20.3547

■ 112.6081,
110.0745, 266.4965

■ 0.7097, 0.4175,
12.4665

■ 142.4338,
140.0117, 320.9797

■ 0.0000, 0.0000,
6.9359

177.1094,

■ 0.0000, 0.0000,

174.9372, 382.4243

3.3442

217.0003,
215.2355, 451.2490

■ 0.0000, 0.0000,
1.2729

■ 0.0000, 0.0000,
0.0395

■ 23.4403, 21.7601,
83.8536

■ 23.4403, 21.7601,
83.8536

■ 21.8977, 19.1030,
83.4226

■ 25.8445, 25.4647,
84.4425

■ 29.0238, 29.8533,
85.1220

■ 33.0725, 34.9832,
85.8988

■ 38.0693, 40.9032,
86.7781

■ 44.0828, 47.6569,
87.7647

■ 51.1750, 55.2837,
88.8631

■ 59.4025, 63.8203,
90.0771

■ 68.8177, 73.3008,
91.4108

■ 79.4694, 83.7574,
92.8677

Harmonies

Analogous

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



16.7496, 21.7601, 81.0893



23.4403, 21.7601, 83.8536



30.7780, 21.7601, 65.0809

Triad

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



23.4403, 21.7601, 83.8536



32.2990, 21.7601, 6.3808



10.4785, 21.7601, 13.5612

Complementary

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



23.4403, 21.7601, 83.8536



43.3750, 34.2044, 4.9798

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.



13.0778, 21.7601, 5.1054



23.4403, 21.7601, 83.8536



25.1869, 21.7601, 2.8389

Square

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



23.4403, 21.7601, 83.8536



36.6014, 21.7601, 16.8995



18.1496, 21.7601, 2.5563



10.2137, 21.7601, 32.0997

Rectangle

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



23.4403, 21.7601, 83.8536



34.6716, 21.7601, 46.8532



18.1496, 21.7601, 2.5563



11.0758, 21.7601, 9.7898

Sweetspot

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



23.4413, 21.7607, 83.8542



63.9957, 68.9970, 104.5526



34.8279, 62.8842, 31.0785



13.0142, 14.0536, 22.2766



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.



23.4413, 21.7607, 83.8542



25.5500, 22.2200, 97.5500



15.9730, 6.8240, 81.3648



15.5439, 16.5220, 20.0914



12.3458, 10.9159, 46.5842



1.1265, 1.1070, 3.9085

Inverse Universe

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



39.4073, 20.2376, 22.2515



45.0257, 22.7743, 21.8650



65.9615, 79.3774, 12.5086



16.0992, 15.8894, 18.0788



21.5572, 10.8953, 10.8508



1.8435, 0.9265, 1.1670

Previews

White Background



This preview shows how the XYZ color 23.4403, 21.7601, 83.8536 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 23.4403, 21.7601, 83.8536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

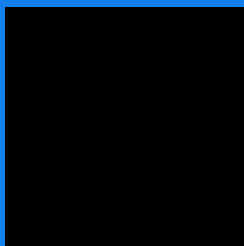
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

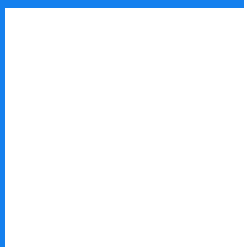
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4403, 21.7601, 83.8536

Background



This preview shows how black text looks on a background with the XYZ color 23.4403, 21.7601, 83.8536.



This preview shows how white text looks on a background with the XYZ color 23.4403, 21.7601,

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

23.4403, 21.7601, 83.8536

Protanopia

24.7314, 21.7335, 80.7334

Deuteranopia

22.1255, 21.6224, 77.1361



Tritanopia

15.2589, 21.5804, 32.6394

Trichromacy



Original Color

23.4403, 21.7601, 83.8536

Protanomaly

23.7972, 21.4223, 81.4779

Deuteranomaly

22.5034, 21.5719, 79.3217

Tritanomaly

17.5805, 21.3554, 47.9952

Monochromacy



Original Color

23.4403, 21.7601, 83.8536

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.0276, 16.1645, 33.3384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4403, 21.7601, 83.8536 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(20, 128, 238)` looks like.

```
.text, #text, p{  
    color:rgb(20, 128, 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(20, 128, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 128, 238) }
```

Border

The CSS property to change the border of an element to XYZ 23.4403, 21.7601, 83.8536 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(20, 128, 238) }
```


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

```
.border{ border-color:rgb(20, 128, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 128, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 128, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 128, 238);  
box-shadow:4px 4px 4px 4px rgb(20, 128,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4403, 21.7601, 83.8536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 128, 238) }
```

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

```
.background{ background-color: rgb(20, 128,  
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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