

Converting Colors

XYZ(23.1008, 20.3652, 85.1524)

Have a look what the booklet for
XYZ(23.1008, 20.3652, 85.1524)
contains.

XYZ(23.1397, 20.4433, 85.1644)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1397, 20.4433,
85.1644)**

Conversions

Conversions Part 1

Format	Color
Hex	1B7AF0
RGB	27, 122, 240
RGB Percent	11%, 48%, 94%
CMY	0.8940, 0.5216, 0.0588
CMYK	0.89, 0.49, 0.00, 0.06
HSL	213°, 88%, 52%
HSV	213°, 89%, 94%
XYZ	23.1397, 20.4433, 85.1644
YIQ	107.0470, -94.4980, 16.5580

Conversions

Conversions Part 2

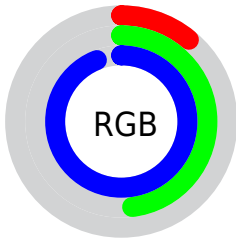
Format	Color
R_{YB}	27, 93, 240
Decimal	1800944
CIE _{Lab}	52.33, 17.66, -66.45
CIE _{LCh}	52, 68.762, 284.883
Yxy	20.4433, 0.1797, 0.1588
Android (android.graphics.Color)	4279991024 (0xFF1B7AF0)
YUV	107.0470, 65.5458, -70.2012
Hunter-Lab	45.2143, 12.2275, -80.0271

Details

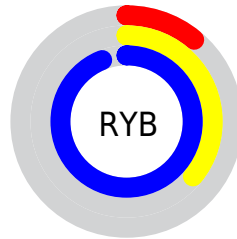
The XYZ color **23.1397, 20.4433, 85.1644** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **46.2641, 38.8656, 6.1023**, and the grayscale version is **13.8340, 14.5544, 15.8498**.

A 20% lighter version of the original color is **40.1255, 41.0695, 100.4201**, and **11.0633, 8.4511, 45.8479** is the 20% darker color. If you saturate the color by 10%, you get **21.2032, 17.1847, 84.6380**, and if you desaturate by 10%, it is **25.8008, 24.4072, 85.7898**.

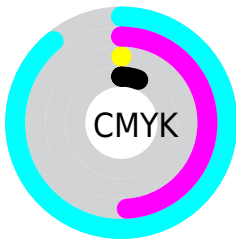
Distribution



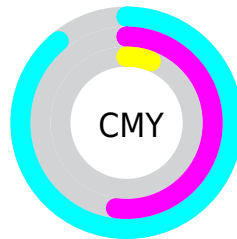
- Red (11%)
- Green (48%)
- Blue (94%)



- Red (11%)
- Yellow (36%)
- Blue (94%)



- Cyan (89%)
- Magenta (49%)
- Yellow (0%)
- Black (6%)



- Cyan (89%)
- Magenta (52%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1397, 20.4433, 85.1644 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 23.1397, 20.4433, 85.1644 by changing the saturation by 10% instead.

■ 23.1397, 20.4433,
85.1644

■ 23.1397, 20.4433,
85.1644

260.9637,
254.3050, 532.3307

■ 14.8180, 12.7177,
63.4263

■ 48.0876, 44.1592,
142.4790

■ 8.7772, 7.2344,
45.7430

■ 65.4444, 60.9182,
178.8927

■ 4.6521, 3.6091,
31.6958

■ 86.5437, 81.4572,
221.0352

■ 2.0773, 1.4574,
20.8664

■ 111.7507,
106.1605, 269.3252

■ 0.6768, 0.2585,
12.8361

■ 141.4309,
135.4125, 324.1812

■ 0.0000, 0.0000,
7.1864

175.9495,

■ 0.0000, 0.0000,

169.5977, 386.0218

3.4987

215.6720,
209.1004, 455.2654

■ 0.0000, 0.0000,
1.3546

■ 0.0000, 0.0000,
0.1059

■ 23.1397, 20.4433,
85.1644

■ 23.1397, 20.4433,
85.1644

■ 21.2032, 17.1847,
84.6380

■ 25.8008, 24.4072,
85.7898

■ 20.9883, 16.8113,
84.5773

■ 29.3161, 29.1557,
86.5210

■ 33.7790, 34.7490,
87.3654

■ 39.2686, 41.2392,
88.3288

■ 45.8547, 48.6733,
89.4166

■ 53.6007, 57.0942,
90.6338

■ 62.5646, 66.5421,
91.9849

■ 72.8005, 77.0543,
93.4745

■ 84.3591, 88.6663,
95.1067

Harmonies

Analogous

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



16.0935, 20.4433, 85.0635



23.1397, 20.4433, 85.1644



30.7023, 20.4433, 62.8671

Triad

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



23.1397, 20.4433, 85.1644



30.7558, 20.4433, 4.5290



9.0317, 20.4433, 13.5639

Complementary

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



23.1397, 20.4433, 85.1644



46.2641, 38.8656, 6.1023

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.



11.3230, 20.4433, 4.4901



23.1397, 20.4433, 85.1644



23.2001, 20.4433, 1.8522

Square

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



23.1397, 20.4433, 85.1644



35.7729, 20.4433, 13.6748



16.1409, 20.4433, 1.8443



9.0231, 20.4433, 33.8447

Rectangle

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



23.1397, 20.4433, 85.1644



34.5402, 20.4433, 43.2388



16.1409, 20.4433, 1.8443



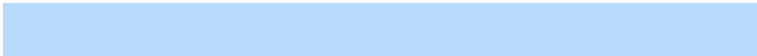
9.5302, 20.4433, 9.4761

Sweetspot

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



23.1407, 20.4438, 85.1650



63.1108, 67.2273, 104.2576



36.6598, 64.5727, 36.9833



12.8067, 13.6387, 22.2075



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.



23.1407, 20.4438, 85.1650



24.0347, 19.1894, 97.0449



16.9086, 7.4827, 82.9917



15.4775, 16.3891, 20.0693



11.6175, 9.4592, 46.3414



1.0642, 0.9825, 3.8878

Inverse Universe

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



39.8409, 20.7159, 20.3111



44.2608, 22.4683, 17.8374



63.7841, 79.1158, 12.9480



16.0657, 15.8760, 17.9023



21.1896, 10.7483, 8.9149



1.8121, 0.9139, 1.0015

Previews

White Background



This preview shows how the XYZ color 23.1397, 20.4433, 85.1644 looks on a white background.

Color Contrast Check

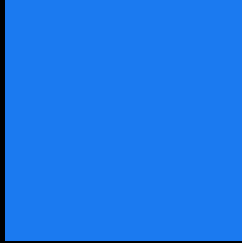
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1397, 20.4433, 85.1644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

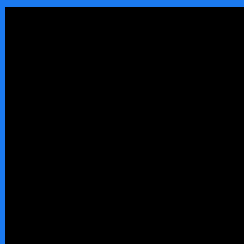
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

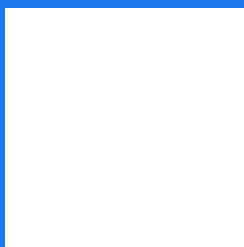
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1397, 20.4433, 85.1644

Background



This preview shows how black text looks on a background with the XYZ color 23.1397, 20.4433, 85.1644.



This preview shows how white text looks on a background with the XYZ color 23.1397, 20.4433,

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

23.1397, 20.4433, 85.1644

Protanopia

23.7800, 20.4467, 83.5822

Deuteranopia

20.6405, 20.3992, 71.2562



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

23.1397, 20.4433, 85.1644

Protanomaly

23.4995, 20.4646, 84.3729

Deuteranomaly

21.4624, 20.3332, 76.1923

Tritanomaly

16.7169, 19.9033, 46.6767

Monochromacy



Original Color

23.1397, 20.4433, 85.1644

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.8525, 15.5746, 33.2337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1397, 20.4433, 85.1644 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(27, 122, 240)` looks like.

```
.text, #text, p{  
    color:rgb(27, 122, 240)  
}
```

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(27, 122, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 122, 240) }
```

Border

The CSS property to change the border of an element to XYZ 23.1397, 20.4433, 85.1644 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(27, 122, 240) }
```


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

```
.border{ border-color:rgb(27, 122, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 122, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 122, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 122, 240);  
box-shadow:4px 4px 4px 4px rgb(27, 122,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1397, 20.4433, 85.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 122, 240) }
```

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

```
.background{ background-color: rgb(27, 122,  
240) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor