

Converting Colors

XYZ(23.6137, 22.0441, 83.8993)

Have a look what the booklet for
XYZ(23.6137, 22.0441, 83.8993)
contains.

XYZ(23.6137, 22.0441, 83.8993)	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(23.6137, 22.0441,
83.8993)**

Conversions

Conversions Part 1

Format	Color
Hex	1681EE
RGB	22, 129, 238
RGB Percent	9%, 51%, 93%
CMY	0.9136, 0.4941, 0.0667
CMYK	0.91, 0.46, 0.00, 0.07
HSL	210°, 86%, 51%
HSV	210°, 91%, 93%
XYZ	23.6137, 22.0441, 83.8993
YIQ	109.4330, -98.7610, 11.2150

Conversions

Conversions Part 2

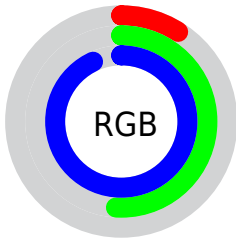
Format	Color
R _Y B	22, 94, 238
Decimal	1475054
CIE Lab	54.07, 12.28, -62.54
CIE LCh	54, 63.734, 281.111
Yxy	22.0441, 0.1823, 0.1701
Android (android.graphics.Color)	4279665134 (0xFF1681EE)
YUV	109.4330, 63.3835, -76.6787
Hunter-Lab	46.9511, 7.6106, -73.0824

Details

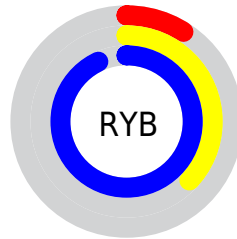
The XYZ color **23.6137, 22.0441, 83.8993** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **43.5263, 34.4773, 5.1215**, and the grayscale version is **14.5075, 15.2630, 16.6215**.

A 20% lighter version of the original color is **41.2560, 43.7125, 100.8707**, and **11.2829, 9.2211, 44.9012** is the 20% darker color. If you saturate the color by 10%, you get **21.8970, 19.1016, 83.4224**, and if you desaturate by 10%, it is **26.0788, 25.8036, 84.4956**.

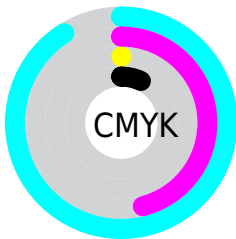
Distribution



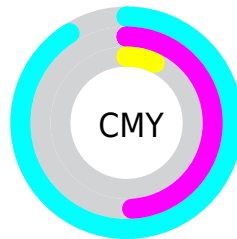
- Red (9%)
- Green (51%)
- Blue (93%)



- Red (9%)
- Yellow (37%)
- Blue (93%)



- Cyan (91%)
- Magenta (46%)
- Yellow (0%)
- Black (7%)



- Cyan (91%)
- Magenta (49%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6137, 22.0441, 83.8993 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 23.6137, 22.0441, 83.8993 by changing the saturation by 10% instead.

■ 23.6137, 22.0441,
83.8993

■ 23.6137, 22.0441,
83.8993

263.3385,
262.7765, 528.0281

■ 15.1705, 13.8893,
62.3874

■ 48.8584, 46.8189,
140.6948

■ 9.0262, 8.0437,
44.9080

■ 66.3905, 64.2076,
176.8154

■ 4.8155, 4.1229,
31.0425

■ 87.6830, 85.4432,
218.6427

■ 2.1731, 1.7426,
20.3725

■ 113.1013,
110.9099, 266.5952

■ 0.7285, 0.4510,
12.4793

■ 143.0106,
140.9922, 321.0915

■ 0.0000, 0.0000,
6.9445

177.7763,

■ 0.0000, 0.0000,

176.0745, 382.5500

3.3495

217.7638,
216.5411, 451.3894

■ 0.0000, 0.0000,
1.2757

■ 0.0000, 0.0000,
0.0418

■ 23.6137, 22.0441,
83.8993

■ 23.6137, 22.0441,
83.8993

■ 21.8970, 19.1016,
83.4224

■ 26.0788, 25.8036,
84.4956

■ 29.3275, 30.2522,
85.1830

■ 33.4529, 35.4466,
85.9682

■ 38.5323, 41.4350,
86.8564

■ 44.6340, 48.2604,
87.8522

■ 51.8192, 55.9622,
88.9601

■ 60.1444, 64.5768,
90.1841

■ 69.6614, 74.1381,
91.5280

■ 80.4190, 84.6782,
92.9955

Harmonies

Analogous

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



16.9451, 22.0441, 80.8653



23.6137, 22.0441, 83.8993



30.9393, 22.0441, 65.5040

Triad

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



23.6137, 22.0441, 83.8993



32.6183, 22.0441, 6.6875



10.7417, 22.0441, 13.6857

Complementary

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



23.6137, 22.0441, 83.8993



43.5263, 34.4773, 5.1215

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.



13.3852, 22.0441, 5.2507



23.6137, 22.0441, 83.8993



25.5460, 22.0441, 3.0161

Square

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



23.6137, 22.0441, 83.8993



36.8479, 22.0441, 17.4008



18.4987, 22.0441, 2.6938



10.4462, 22.0441, 32.0922

Rectangle

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



23.6137, 22.0441, 83.8993



34.8429, 22.0441, 47.4277



18.4987, 22.0441, 2.6938



11.3527, 22.0441, 9.9306

Sweetspot

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



23.6147, 22.0447, 83.8999



63.9952, 68.9960, 104.5524



34.9368, 62.9326, 31.4312



13.0141, 14.0534, 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.



23.6147, 22.0447, 83.8999



25.5492, 22.2183, 97.5497



16.0519, 6.9192, 81.3790



15.5439, 16.5219, 20.0914



12.3454, 10.9151, 46.5840



1.1265, 1.1069, 3.9085

Inverse Universe

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



39.5102, 20.3374, 22.6122



45.0252, 22.7741, 21.8627



65.9800, 79.3848, 12.6061



16.0992, 15.8894, 18.0787



21.5570, 10.8952, 10.8497



1.8435, 0.9265, 1.1669

Previews

White Background



This preview shows how the XYZ color 23.6137, 22.0441, 83.8993 looks on a white background.

Color Contrast Check

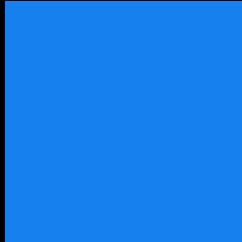
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6137, 22.0441, 83.8993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

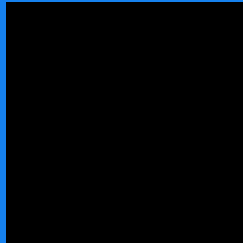
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

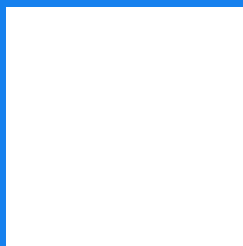
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6137, 22.0441, 83.8993

Background



This preview shows how black text looks on a background with the XYZ color 23.6137, 22.0441, 83.8993.



This preview shows how white text looks on a background with the XYZ color 23.6137, 22.0441,

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

23.6137, 22.0441, 83.8993

Protanopia

25.0089, 22.0636, 80.7825

Deuteranopia

22.5401, 22.0021, 78.6601



Tritanopia

15.4900, 21.9119, 33.1188

Trichromacy



Original Color

23.6137, 22.0441, 83.8993

Protanomaly

24.0318, 21.7321, 81.5254

Deuteranomaly

22.9341, 21.9574, 80.8713

Tritanomaly

17.7359, 21.6475, 48.0433

Monochromacy



Original Color

23.6137, 22.0441, 83.8993

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.3067, 16.4689, 33.8245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6137, 22.0441, 83.8993 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(22, 129, 238)` looks like.

```
.text, #text, p{  
    color:rgb(22, 129, 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(22, 129, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 129, 238) }
```

Border

The CSS property to change the border of an element to XYZ 23.6137, 22.0441, 83.8993 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(22, 129, 238) }
```


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

```
.border{ border-color:rgb(22, 129, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 129, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 129, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 129, 238);  
box-shadow:4px 4px 4px 4px rgb(22, 129,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6137, 22.0441, 83.8993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 129, 238) }
```

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

```
.background{ background-color: rgb(22, 129,  
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](#).

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