

Converting Colors

XYZ(23.6188, 21.5343, 87.1131)

Have a look what the booklet for
XYZ(23.6188, 21.5343, 87.1131)
contains.

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Color

**XYZ(23.6164, 21.5895,
86.9269)**

Conversions

Conversions Part 1

Format	Color
Hex	007FF2
RGB	0, 127, 242
RGB Percent	0%, 50%, 95%
CMY	0.9997, 0.5020, 0.0510
CMYK	1.00, 0.48, 0.00, 0.05
HSL	209°, 100%, 47%
HSV	209°, 100%, 95%
XYZ	23.6164, 21.5895, 86.9269
YIQ	102.1370, -112.6070, 8.8410

Conversions

Conversions Part 2

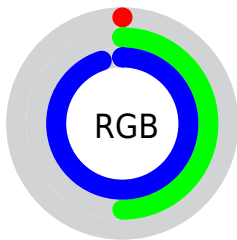
Format	Color
R _Y B	0, 83, 242
Decimal	32754
CIE _{Lab}	53.59, 14.39, -65.56
CIE _{LCh}	54, 67.115, 282.377
Y _{xy}	21.5895, 0.1787, 0.1634
Android (android.graphics.Color)	4278222834 (0xFF007FF2)
Y _{UV}	102.1370, 68.9525, -89.5741
Hunter-Lab	46.4645, 9.4129, -78.3960

Details

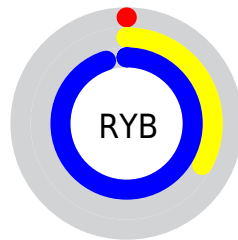
The XYZ color **23.6164, 21.5895, 86.9269** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **42.7576, 31.1555, 3.7621**, and the grayscale version is **12.5175, 13.1694, 14.3415**.

A 20% lighter version of the original color is **40.4768, 42.7114, 100.7185**, and **11.5529, 9.0947, 47.0455** is the 20% darker color. If you saturate the color by 10%, you get **23.6121, 21.5808, 86.9260**, and if you desaturate by 10%, it is **25.5712, 24.9302, 87.4692**.

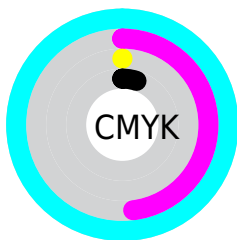
Distribution



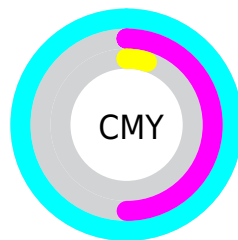
- Red (0%)
- Green (50%)
- Blue (95%)



- Red (0%)
- Yellow (33%)
- Blue (95%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6164, 21.5895, 86.9269 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 23.6164, 21.5895, 86.9269 by changing the saturation by 10% instead.

■ 23.6164, 21.5895,
86.9269

■ 23.6164, 21.5895,
86.9269

263.3520,
260.3950, 538.2926

■ 15.1725, 13.5556,
64.8754

■ 48.8627, 46.0666,
144.9602

■ 9.0276, 7.8122,
46.9094

■ 66.3959, 63.2785,
181.7791

■ 4.8165, 3.9750,
32.6102

■ 87.6895, 84.3186,
224.3576

■ 2.1736, 1.6596,
21.5593

■ 113.1089,
109.5713, 273.1143

■ 0.7288, 0.3973,
13.3382

■ 143.0195,
139.4208, 328.4675

■ 0.0000, 0.0000,
7.5284

177.7867,

■ 0.0000, 0.0000,

174.2517, 390.8360

3.7113

217.7757,
214.4483, 460.6382

■ 0.0000, 0.0000,
1.4683

■ 0.0000, 0.0000,
0.1942

■ 23.6164, 21.5895,
86.9269

■ 23.6164, 21.5895,
86.9269

■ 23.6121, 21.5808,
86.9260

■ 25.5712, 24.9302,
87.4692

■ 28.1759, 28.8657,
88.0916

■ 31.5842, 33.4831,
88.8032

■ 35.8895, 38.8377,
89.6098

■ 41.1705, 44.9774,
90.5165

■ 47.4968, 51.9446,
91.5279

■ 54.9309, 59.7783,
92.6482

■ 63.5300, 68.5144,
93.8812

■ 73.3473, 78.1864,
95.2306

Harmonies

Analogous

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



16.6260, 21.5895, 84.7110



23.6164, 21.5895, 86.9269



31.2746, 21.5895, 66.3505

Triad

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



23.6164, 21.5895, 86.9269



32.4703, 21.5895, 5.6835



9.9928, 21.5895, 13.4724

Complementary

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



23.6164, 21.5895, 86.9269



42.7576, 31.1555, 3.7621

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.



12.5659, 21.5895, 4.7490



23.6164, 21.5895, 86.9269



24.9794, 21.5895, 2.3922

Square

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



23.6164, 21.5895, 86.9269



37.1291, 21.5895, 16.0252



17.7071, 21.5895, 2.1942



9.7922, 21.5895, 33.0170

Rectangle

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



23.6164, 21.5895, 86.9269



35.3039, 21.5895, 46.9520



17.7071, 21.5895, 2.1942



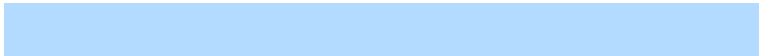
10.5755, 21.5895, 9.5504

Sweetspot

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



23.6174, 21.5901, 86.9275



61.7617, 67.2175, 104.3268



34.7323, 64.6968, 26.2716



12.4297, 13.5639, 22.2129



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.



23.6174, 21.5901, 86.9275



26.5456, 24.2111, 97.8819



16.1163, 6.5879, 84.4271



15.5836, 16.6013, 20.1046



12.8225, 11.8693, 46.7431



1.1663, 1.1866, 3.9218

Inverse Universe

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



40.4497, 20.4112, 21.8865



45.5282, 22.9753, 24.5112



66.0233, 77.6870, 11.5173



16.1193, 15.8974, 18.1842



21.7978, 10.9916, 12.1179



1.8636, 0.9345, 1.2728

Previews

White Background



This preview shows how the XYZ color 23.6164, 21.5895, 86.9269 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 23.6164, 21.5895, 86.9269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

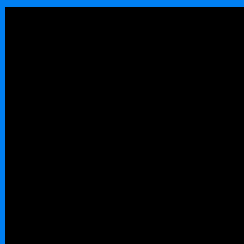
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

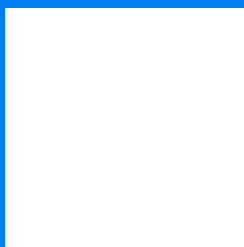
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6164, 21.5895, 86.9269

Background



This preview shows how black text looks on a background with the XYZ color 23.6164, 21.5895, 86.9269.



This preview shows how white text looks on a background with the XYZ color 23.6164, 21.5895,

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

23.6164, 21.5895, 86.9269

Protanopia

24.7623, 21.4972, 83.7332

Deuteranopia

21.9862, 21.5667, 76.4028



Tritanopia

15.2589, 21.5804, 32.6394

Trichromacy



Original Color

23.6164, 21.5895, 86.9269

Protanomaly

23.7425, 21.1395, 84.4903

Deuteranomaly

22.5582, 21.5837, 80.0679

Tritanomaly

17.5974, 21.3520, 48.5413

Monochromacy



Original Color

23.6164, 21.5895, 86.9269

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.6142, 14.7926, 32.2747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6164, 21.5895, 86.9269 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, 127, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 242)  
}
```

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, 127, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 242) }
```

Border

The CSS property to change the border of an element to XYZ 23.6164, 21.5895, 86.9269 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, 127, 242) }
```


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

```
.border{ border-color:rgb(0, 127, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6164, 21.5895, 86.9269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 242) }
```

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

```
.background{ background-color: rgb(0, 127,  
242) }
```

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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