

Converting Colors

XYZ(23.6801, 21.5602, 86.1332)

Have a look what the booklet for
XYZ(23.6801, 21.5602, 86.1332)
contains.

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Color

**XYZ(23.7351, 21.6681,
86.1505)**

Conversions

Conversions Part 1

Format	Color
Hex	137FF1
RGB	19, 127, 241
RGB Percent	7%, 50%, 95%
CMY	0.9253, 0.5020, 0.0549
CMYK	0.92, 0.47, 0.00, 0.05
HSL	211°, 89%, 51%
HSV	211°, 92%, 95%
XYZ	23.7351, 21.6681, 86.1505
YIQ	107.7040, -100.9620, 12.5580

Conversions

Conversions Part 2

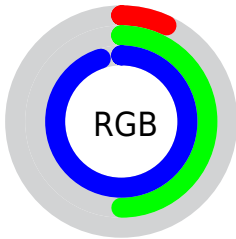
Format	Color
R _Y B	19, 92, 241
Decimal	1277937
CIE Lab	53.67, 14.55, -64.86
CIE LCh	54, 66.467, 282.642
Yxy	21.6681, 0.1804, 0.1647
Android (android.graphics.Color)	4279468017 (0xFF137FF1)
YUV	107.7040, 65.7149, -77.7934
Hunter-Lab	46.5490, 9.5555, -77.1466

Details

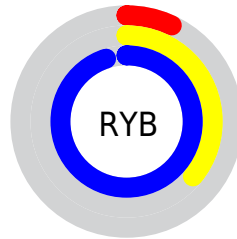
The XYZ color **23.7351, 21.6681, 86.1505** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **44.7868, 35.5342, 5.1162**, and the grayscale version is **14.0173, 14.7473, 16.0598**.

A 20% lighter version of the original color is **40.8522, 42.9049, 100.7361**, and **11.4477, 9.0527, 46.4914** is the 20% darker color. If you saturate the color by 10%, you get **22.2644, 19.1252, 85.7377**, and if you desaturate by 10%, it is **26.1670, 25.4426, 86.7514**.

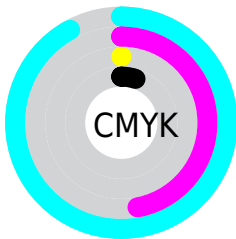
Distribution



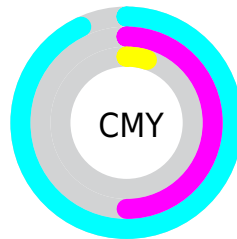
- Red (7%)
- Green (50%)
- Blue (95%)



- Red (7%)
- Yellow (36%)
- Blue (95%)



- Cyan (92%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)



- Cyan (93%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7351, 21.6681, 86.1505 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 23.7351, 21.6681, 86.1505 by changing the saturation by 10% instead.

■ 23.7351, 21.6681,
86.1505

■ 23.7351, 21.6681,
86.1505

263.9439,
260.8081, 535.6709

■ 15.2609, 13.6132,
64.2368

■ 49.0554, 46.1968,
143.8679

■ 9.0902, 7.8522,
46.3951

■ 66.6322, 63.4395,
180.5087

■ 4.8576, 4.0005,
32.2068

■ 87.9740, 84.5135,
222.8956

■ 2.1979, 1.6738,
21.2534

■ 113.4460,
109.8033, 271.4472

■ 0.7416, 0.4066,
13.1163

■ 143.4136,
139.6932, 326.5819

■ 0.0000, 0.0000,
7.3770

178.2422,

■ 0.0000, 0.0000,

174.5678, 388.7185

3.6170

218.2972,
214.8112, 458.2753

■ 0.0000, 0.0000,
1.4177

■ 0.0000, 0.0000,
0.1554

■ 23.7351, 21.6681,
86.1505

■ 23.7351, 21.6681,
86.1505

■ 22.2644, 19.1252,
85.7377

■ 26.1670, 25.4426,
86.7514

■ 29.3973, 29.9303,
87.4474

■ 33.5249, 35.1915,
88.2453

■ 38.6316, 41.2777,
89.1509

■ 44.7893, 48.2346,
90.1692

■ 52.0623, 56.1037,
91.3048

■ 60.5097, 64.9236,
92.5620

■ 70.1858, 74.7302,
93.9448

■ 81.1415, 85.5571,
95.4572

Harmonies

Analogous

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



16.7788, 21.6681, 84.1882



23.7351, 21.6681, 86.1505



31.3166, 21.6681, 65.7170

Triad

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



23.7351, 21.6681, 86.1505



32.3803, 21.6681, 5.7648



10.1061, 21.6681, 13.7318

Complementary

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



23.7351, 21.6681, 86.1505



44.7868, 35.5342, 5.1162

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.



12.6509, 21.6681, 4.9194



23.7351, 21.6681, 86.1505



24.9497, 21.6681, 2.4790

Square

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



23.7351, 21.6681, 86.1505



37.0269, 21.6681, 16.0176



17.7446, 21.6681, 2.2979



9.9260, 21.6681, 33.2442

Rectangle

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



23.7351, 21.6681, 86.1505



35.2838, 21.6681, 46.5538



17.7446, 21.6681, 2.2979



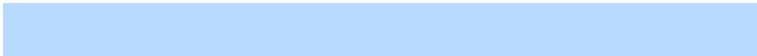
10.6807, 21.6681, 9.7842

Sweetspot

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



23.7361, 21.6687, 86.1511



62.8782, 67.6744, 104.3562



35.7555, 64.6621, 31.7229



12.6086, 13.5883, 22.2082



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.



23.7361, 21.6687, 86.1511



25.2615, 21.6430, 97.4538



16.3802, 6.9569, 83.6991



15.5319, 16.4979, 20.0874



12.2074, 10.6391, 46.5380



1.1148, 1.0836, 3.9046

Inverse Universe

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



40.3402, 20.7003, 21.9483



44.8800, 22.7160, 21.0981



67.8493, 81.6591, 12.8036



16.0932, 15.8870, 18.0468



21.4874, 10.8674, 10.4829



1.8376, 0.9241, 1.1359

Previews

White Background



This preview shows how the XYZ color 23.7351, 21.6681, 86.1505 looks on a white background.

Color Contrast Check

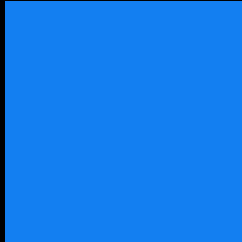
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7351, 21.6681, 86.1505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

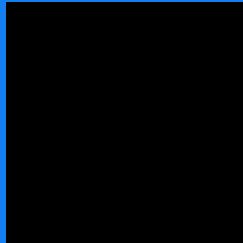
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

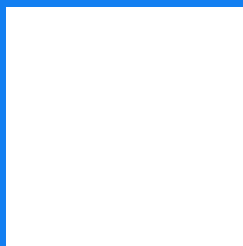
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7351, 21.6681, 86.1505

Background



This preview shows how black text looks on a background with the XYZ color 23.7351, 21.6681, 86.1505.



This preview shows how white text looks on a background with the XYZ color 23.7351, 21.6681,

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

23.7351, 21.6681, 86.1505

Protanopia

24.8085, 21.7230, 83.0062

Deuteranopia

21.9862, 21.5667, 76.4028



Tritanopia

15.2589, 21.5804, 32.6394

Trichromacy



Original Color

23.7351, 21.6681, 86.1505

Protanomaly

24.0816, 21.5184, 83.7731

Deuteranomaly

22.6459, 21.6289, 80.0720

Tritanomaly

17.6850, 21.3972, 48.5454

Monochromacy



Original Color

23.7351, 21.6681, 86.1505

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.1120, 16.1983, 33.7826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7351, 21.6681, 86.1505 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(19, 127, 241)` looks like.

```
.text, #text, p{  
    color:rgb(19, 127, 241)  
}
```

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(19, 127, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 127, 241) }
```

Border

The CSS property to change the border of an element to XYZ 23.7351, 21.6681, 86.1505 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(19, 127, 241) }
```


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

```
.border{ border-color:rgb(19, 127, 241) }
```

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

Here you see how a box with a 4 pixel rgb(19, 127, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 127, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 127, 241);  
box-shadow:4px 4px 4px 4px rgb(19, 127,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7351, 21.6681, 86.1505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 127, 241) }
```

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

```
.background{ background-color: rgb(19, 127,  
241) }
```

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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