

Converting Colors

XYZ(23.3154, 16.9321, 96.6471)

Have a look what the booklet for
XYZ(23.3154, 16.9321, 96.6471)
contains.

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Color

**XYZ(23.3664, 17.0140,
96.6602)**

Conversions

Conversions Part 1

Format	Color
Hex	1F66FF
RGB	31, 102, 255
RGB Percent	12%, 40%, 100%
CMY	0.8783, 0.6000, 0.0000
CMYK	0.88, 0.60, 0.00, 0.00
HSL	221°, 100%, 56%
HSV	221°, 88%, 100%
XYZ	23.3664, 17.0140, 96.6602
YIQ	98.2130, -91.4290, 32.5310

Conversions

Conversions Part 2

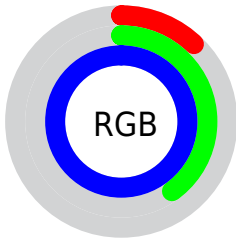
Format	Color
R _Y B	31, 85, 255
Decimal	2057983
CIE Lab	48.28, 36.16, -81.39
CIE LCh	48, 89.066, 293.956
Yxy	17.0140, 0.1705, 0.1242
Android (android.graphics.Color)	4280248063 (0xFF1F66FF)
YUV	98.2130, 77.2960, -58.9458
Hunter-Lab	41.2480, 28.9336, -110.0659

Details

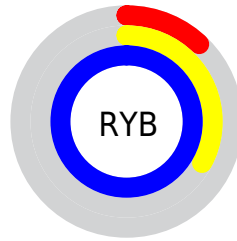
The XYZ color **23.3664, 17.0140, 96.6602** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **58.6348, 55.6533, 8.9502**, and the grayscale version is **11.4949, 12.0935, 13.1698**.

A 20% lighter version of the original color is **37.1634, 33.7414, 99.1618**, and **11.5412, 6.9575, 53.5580** is the 20% darker color. If you saturate the color by 10%, you get **21.3347, 13.6866, 96.1251**, and if you desaturate by 10%, it is **26.3575, 21.3697, 97.3433**.

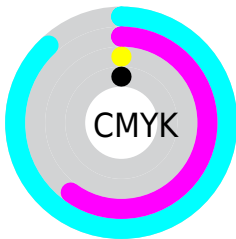
Distribution



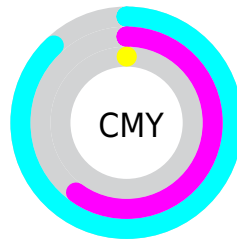
- Red (12%)
- Green (40%)
- Blue (100%)



- Red (12%)
- Yellow (33%)
- Blue (100%)



- Cyan (88%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3664, 17.0140, 96.6602 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 23.3664, 17.0140, 96.6602 by changing the saturation by 10% instead.

■ 23.3664, 17.0140,
96.6602

■ 23.3664, 17.0140,
96.6602

262.1017,
235.2530, 570.5859

■ 14.9865, 10.2445,
72.9130

■ 48.4565, 38.3498,
158.5715

■ 8.8961, 5.5614,
53.4135

■ 65.8974, 53.6850,
197.5727

■ 4.7301, 2.5802,
37.7430

■ 87.0893, 72.6440,
242.4957

■ 2.1229, 0.9167,
25.4830

■ 112.3976, 95.6115,
293.7590

■ 0.7016, 0.0000,
16.2150

■ 142.1876,
122.9717, 351.7811

■ 0.0000, 0.0000,
9.5204

176.8247,

■ 0.0000, 0.0000,

155.1092, 416.9806

4.9807

216.6743,
192.4081, 489.7760

■ 0.0000, 0.0000,
2.1774

■ 0.0000, 0.0000,
0.6613

■ 23.3664, 17.0140,
96.6602

■ 23.3664, 17.0140,
96.6602

■ 21.3347, 13.6866,
96.1251

■ 26.3575, 21.3697,
97.3433

■ 20.9776, 13.0753,
96.0259

■ 30.4551, 26.8608,
98.1872

■ 35.7758, 33.5755,
99.2029

■ 42.4192, 41.5919,
100.4001

■ 50.4740, 50.9807,
101.7877

■ 60.0209, 61.8068,
103.3742

■ 71.1341, 74.1311,
105.1673

■ 83.8826, 88.0104,
107.1744

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



14.5842, 17.0140, 107.8978



23.3664, 17.0140, 96.6602



32.3434, 17.0140, 59.1933

Triad

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



23.3664, 17.0140, 96.6602



27.1931, 17.0140, 0.7845



5.0919, 17.0140, 14.2095

Complementary

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



23.3664, 17.0140, 96.6602



58.6348, 55.6533, 8.9502

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.



6.5548, 17.0140, 2.7132



23.3664, 17.0140, 96.6602



17.8695, 17.0140, 0.0000

Square

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



23.3664, 17.0140, 96.6602



35.0206, 17.0140, 5.6639



10.6294, 17.0140, 0.1289



5.6960, 17.0140, 43.2233

Rectangle

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



23.3664, 17.0140, 96.6602



36.2672, 17.0140, 33.8142



10.6294, 17.0140, 0.1289



5.3367, 17.0140, 8.7201

Sweetspot

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



23.3673, 17.0143, 96.6602



61.9365, 63.9497, 103.6869



44.5993, 75.1211, 55.5130



12.4908, 12.8293, 22.0679



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.



23.3673, 17.0143, 96.6602



20.9776, 13.0753, 96.0259



20.9498, 9.4435, 95.3263



17.4727, 18.3170, 22.8646



11.0790, 7.0676, 50.2148



1.1720, 0.8747, 4.9203

Inverse Universe

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



44.1290, 23.2009, 14.7225



42.7177, 21.8511, 9.7117



64.8231, 86.4740, 14.5731



18.2465, 18.0819, 19.9152



22.3804, 11.4414, 5.3875



2.2262, 1.1328, 0.7725

Previews

White Background



This preview shows how the XYZ color 23.3664, 17.0140, 96.6602 looks on a white background.

Color Contrast Check

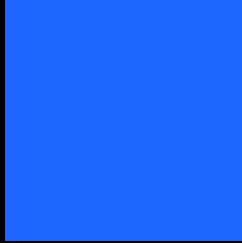
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.3664, 17.0140, 96.6602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

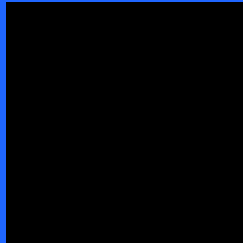
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

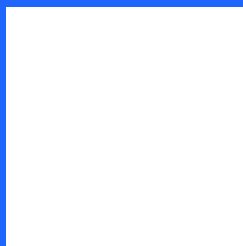
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3664, 17.0140, 96.6602

Background



This preview shows how black text looks on a background with the XYZ color 23.3664, 17.0140, 96.6602.



This preview shows how white text looks on a background with the XYZ color 23.3664, 17.0140,

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

23.3664, 17.0140, 96.6602

Protanopia

20.0341, 16.7635, 78.5237

Deuteranopia

16.6701, 16.8461, 56.4058

Trichromacy



Original Color

23.3664, 17.0140, 96.6602

Protanomaly

21.0202, 16.6705, 84.5479

Deuteranomaly

18.7184, 16.7740, 69.2690

Monochromacy



Original Color

23.3664, 17.0140, 96.6602

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.2023, 12.7461, 32.7748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3664, 17.0140, 96.6602 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(31, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 102, 255)  
}
```

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(31, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 23.3664, 17.0140, 96.6602 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(31, 102, 255) }
```

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

```
.border{ border-color:rgb(31, 102, 255) }
```

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

Here you see how a box with a 4 pixel rgb(31, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 102,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 23.3664, 17.0140, 96.6602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 102, 255) }
```

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

```
.background{ background-color: rgb(31, 102,  
255) }
```

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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