

Converting Colors

XYZ(21.3795, 11.2317, 95.6488)

Have a look what the booklet for
XYZ(21.3795, 11.2317, 95.6488)
contains.

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Color

**XYZ(21.4176, 11.2777,
95.6557)**

Conversions

Conversions Part 1

Format	Color
Hex	3B3BFF
RGB	59, 59, 255
RGB Percent	23%, 23%, 100%
CMY	0.7686, 0.7686, 0.0000
CMYK	0.77, 0.77, 0.00, 0.00
HSL	240°, 100%, 62%
HSV	240°, 77%, 100%
XYZ	21.4176, 11.2777, 95.6557
YIQ	81.3440, -62.9160, 60.9560

Conversions

Conversions Part 2

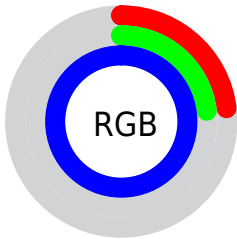
Format	Color
R _Y B	59, 59, 255
Decimal	3881983
CIE Lab	40.04, 62.69, -94.92
CIE LCh	40, 113.755, 303.443
Yxy	11.2777, 0.1669, 0.0879
Android (android.graphics.Color)	4282072063 (0xFF3B3BFF)
YUV	81.3440, 85.6124, -19.5957
Hunter-Lab	33.5823, 55.0720, -145.3739

Details

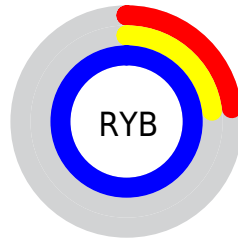
The XYZ color **21.4176, 11.2777, 95.6557** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **77.7818, 93.0918, 18.0061**, and the grayscale version is **7.7348, 8.1376, 8.8619**.

A 20% lighter version of the original color is **33.9425, 23.6902, 97.3914**, and **10.1432, 4.1615, 53.0920** is the 20% darker color. If you saturate the color by 10%, you get **19.2517, 8.6674, 95.2660**, and if you desaturate by 10%, it is **24.9613, 15.5465, 96.2929**.

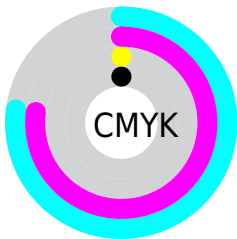
Distribution



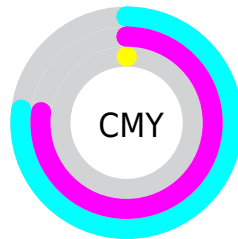
- Red (23%)
- Green (23%)
- Blue (100%)



- Red (23%)
- Yellow (23%)
- Blue (100%)



- Cyan (77%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (77%)
- Magenta (77%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4176, 11.2777, 95.6557 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 21.4176, 11.2777, 95.6557 by changing the saturation by 10% instead.


 21.4176, 11.2777,
95.6557

 21.4176, 11.2777,
95.6557


252.1795,
199.5630, 567.2999


 13.5438, 6.2539,
72.0809


 45.2676, 28.1725,
157.1735


 7.8836, 3.0001,
52.7376

 61.9744, 40.8124,
195.9537

 4.0718, 1.1318,
37.2070


 82.3564, 56.7598,
240.6394

 1.7428, 0.0049,
25.0708

 106.7787, 76.3991,
291.6491

 0.4828, 0.0000,
15.9103

 135.6069,
100.1146, 349.4015

 0.0000, 0.0000,
9.3070

 169.2061,

 0.0000, 0.0000,

128.2909, 414.3151

4.8424

207.9419,
161.3122, 486.8084

■ 0.0000, 0.0000,
2.0980

■ 0.0000, 0.0000,
0.6146

■ 21.4176, 11.2777,
95.6557

■ 21.4176, 11.2777,
95.6557

■ 19.2517, 8.6674,
95.2660

■ 24.9613, 15.5465,
96.2929

■ 18.2372, 7.4453,
95.0836

■ 30.0573, 21.6867,
97.2095

■ 18.0503, 7.2202,
95.0500

■ 36.8570, 29.8798,
98.4325

■ 45.4932, 40.2860,
99.9860

■ 56.0857, 53.0493,
101.8913

■ 68.7439, 68.3020,
104.1682

■ 83.5694, 86.1662,
106.8349

■ 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.



11.6545, 11.2777, 126.3663



21.4176, 11.2777, 95.6557



30.7708, 11.2777, 43.6642

Triad

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



21.4176, 11.2777, 95.6557



19.0146, 11.2777, 0.0000



1.5954, 11.2777, 15.0726

Complementary

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



21.4176, 11.2777, 95.6557



77.7818, 93.0918, 18.0061

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.



2.0783, 11.2777, 1.3050



21.4176, 11.2777, 95.6557



9.8351, 11.2777, 0.0000

Square

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



21.4176, 11.2777, 95.6557



28.9701, 11.2777, 0.4440



4.3522, 11.2777, 0.0000



2.3981, 11.2777, 55.0400

Rectangle

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



21.4176, 11.2777, 95.6557



33.8982, 11.2777, 17.9272



4.3522, 11.2777, 0.0000



1.6156, 11.2777, 7.9632

Sweetspot

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



21.4184, 11.2778, 95.6557



60.7267, 58.6415, 102.7260



55.6134, 79.6697, 107.0544



12.0673, 11.4303, 21.8202



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.



21.4184, 11.2778, 95.6557



18.6045, 7.8878, 95.1497



33.5180, 17.5154, 96.2220



17.0033, 17.3779, 22.7081



9.4318, 3.7727, 49.6657



0.9184, 0.3674, 4.8358

Inverse Universe

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



60.8504, 31.6062, 97.4838



59.5433, 28.9930, 97.0449



50.4535, 79.0036, 16.7272



18.7927, 18.3004, 22.7913



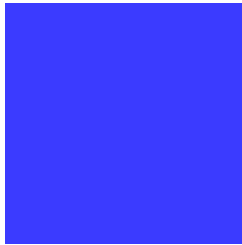
30.9781, 14.8805, 50.6625



3.0163, 1.4489, 4.9330

Previews

White Background



This preview shows how the XYZ color 21.4176, 11.2777, 95.6557 looks on a white background.

Color Contrast Check

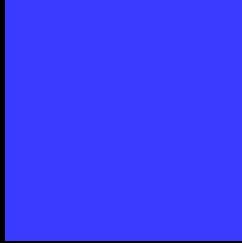
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4176, 11.2777, 95.6557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

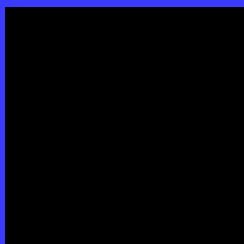
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4176, 11.2777, 95.6557

Background



This preview shows how black text looks on a background with the XYZ color 21.4176, 11.2777, 95.6557.



This preview shows how white text looks on a background with the XYZ color 21.4176, 11.2777,

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

21.4176, 11.2777, 95.6557

Protanopia

12.8415, 10.9865, 49.5879

Deuteranopia

10.6159, 10.9390, 35.2701



Tritanopia

7.7106, 11.0048, 16.1857

Trichromacy



Original Color

21.4176, 11.2777, 95.6557

Protanomaly

15.1155, 10.5555, 64.1915

Deuteranomaly

13.2528, 10.2861, 52.9167

Tritanomaly

10.3206, 9.7475, 35.5199

Monochromacy



Original Color

21.4176, 11.2777, 95.6557

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.1642, 8.1952, 27.4317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4176, 11.2777, 95.6557 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(59, 59, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 59, 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(59, 59, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 59, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.4176, 11.2777, 95.6557 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(59, 59, 255) }
```


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

```
.border{ border-color:rgb(59, 59, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 59, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 59, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 59, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 59,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4176, 11.2777, 95.6557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 59, 255) }
```

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

```
.background{ background-color: rgb(59, 59,  
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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