

Converting Colors

XYZ(20.0318, 10.5697, 95.5921)

Have a look what the booklet for
XYZ(20.0318, 10.5697, 95.5921)
contains.

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Color

**XYZ(20.0400, 10.5675,
95.5913)**

Conversions

Conversions Part 1

Format	Color
Hex	1A3BFF
RGB	26, 59, 255
RGB Percent	10%, 23%, 100%
CMY	0.8979, 0.7686, 0.0000
CMYK	0.90, 0.77, 0.00, 0.00
HSL	231°, 100%, 55%
HSV	231°, 90%, 100%
XYZ	20.0400, 10.5675, 95.5913
YIQ	71.4770, -82.5840, 53.9600

Conversions

Conversions Part 2

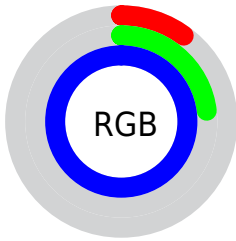
Format	Color
RYP	26, 55, 255
Decimal	1719295
CIELab	38.84, 61.20, -96.95
CIElCh	39, 114.653, 302.264
Yxy	10.5675, 0.1588, 0.0837
Android (android.graphics.Color)	4279909375 (0xFF1A3BFF)
YUV	71.4770, 90.4768, -39.8833
Hunter-Lab	32.5077, 53.1513, -151.5913

Details

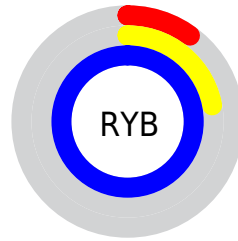
The XYZ color **20.0400, 10.5675, 95.5913** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **67.5600, 73.6010, 11.6252**, and the grayscale version is **5.9333, 6.2423, 6.7979**.

A 20% lighter version of the original color is **31.6870, 22.3682, 97.2552**, and **10.1866, 4.2483, 53.1064** is the 20% darker color. If you saturate the color by 10%, you get **18.7235, 8.5569, 95.2726**, and if you desaturate by 10%, it is **22.3720, 13.7968, 96.0916**.

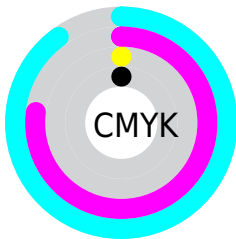
Distribution



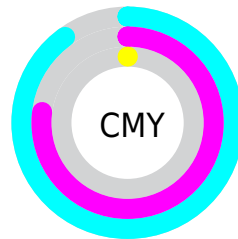
- Red (10%)
- Green (23%)
- Blue (100%)



- Red (10%)
- Yellow (22%)
- Blue (100%)



- Cyan (90%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (77%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0400, 10.5675, 95.5913 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 20.0400, 10.5675, 95.5913 by changing the saturation by 10% instead.

■ 20.0400, 10.5675,
95.5913

■ 20.0400, 10.5675,
95.5913

244.9610,
194.6758, 567.0889

■ 12.5326, 5.7768,
72.0276

■ 42.9877, 26.8576,
157.0839

■ 7.1822, 2.7099,
52.6943

■ 59.1586, 39.1258,
195.8498

■ 3.6237, 0.9822,
37.1727

■ 78.9481, 54.6552,
240.5202

■ 1.4915, 0.0000,
25.0444

■ 102.7214, 73.8304,
291.5137

■ 0.3201, 0.0000,
15.8908

■ 130.8441, 97.0356,
349.2488

■ 0.0000, 0.0000,
9.2934

■ 163.6813,

■ 0.0000, 0.0000,

124.6554, 414.1440

4.8336

201.5985,
157.0740, 486.6178

■ 0.0000, 0.0000,
2.0930

■ 0.0000, 0.0000,
0.6116

■ 20.0400, 10.5675,
95.5913

■ 20.0400, 10.5675,
95.5913

■ 18.7235, 8.5569,
95.2726

■ 22.3720, 13.7968,
96.0916

■ 18.7024, 8.5248,
95.2675

■ 25.9297, 18.4313,
96.7987

■ 30.8593, 24.6134,
97.7321

■ 37.2854, 32.4669,
98.9093

■ 45.3181, 42.1032,
100.3459

■ 55.0572, 53.6237,
102.0563

■ 66.5942, 67.1221,
104.0537

■ 80.0141, 82.6861,
106.3506

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.



10.6325, 10.5675, 124.4666



20.0400, 10.5675, 95.5913



29.3273, 10.5675, 44.0462

Triad

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



20.0400, 10.5675, 95.5913



18.4966, 10.5675, 0.0000



1.3748, 10.5675, 13.2401

Complementary

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



20.0400, 10.5675, 95.5913



67.5600, 73.6010, 11.6252

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.



1.8670, 10.5675, 0.9515



20.0400, 10.5675, 95.5913



9.4778, 10.5675, 0.0000

Square

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



20.0400, 10.5675, 95.5913



28.1637, 10.5675, 0.4031



4.0881, 10.5675, 0.0000



2.0615, 10.5675, 51.4324

Rectangle

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



20.0400, 10.5675, 95.5913



32.6008, 10.5675, 18.1100



4.0881, 10.5675, 0.0000



1.4074, 10.5675, 6.7416

Sweetspot

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



20.0407, 10.5676, 95.5912



58.0896, 57.1848, 102.5839



49.1924, 76.9423, 80.4252



11.6429, 11.3111, 21.8196



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.



20.0407, 10.5676, 95.5912



18.7024, 8.5248, 95.2675



24.3850, 11.0355, 95.4526



17.2139, 17.7994, 22.7783



9.8357, 4.5809, 49.8004



1.0179, 0.5665, 4.8690

Inverse Universe

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



42.3996, 22.3163, 6.2098



41.5693, 21.3917, 3.6640



53.5956, 80.6930, 13.7301



18.1159, 18.0297, 19.2273



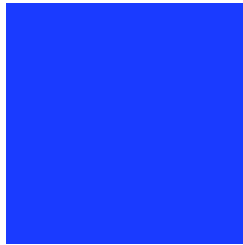
21.7528, 11.1904, 2.0827



2.1484, 1.1017, 0.3629

Previews

White Background



This preview shows how the XYZ color 20.0400, 10.5675, 95.5913 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 20.0400, 10.5675, 95.5913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

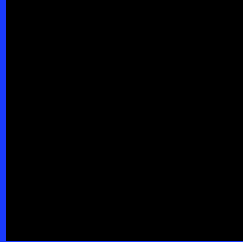
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0400, 10.5675, 95.5913

Background



This preview shows how black text looks on a background with the XYZ color 20.0400, 10.5675, 95.5913.



This preview shows how white text looks on a background with the XYZ color 20.0400, 10.5675,

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

20.0400, 10.5675, 95.5913

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

9.9151, 10.2290, 32.9043



Tritanopia

7.1070, 10.1343, 14.9461

Trichromacy



Original Color

20.0400, 10.5675, 95.5913

Protanomaly

14.2752, 9.9693, 61.4935

Deuteranomaly

12.5695, 9.7487, 51.0884

Tritanomaly

9.7063, 9.0931, 34.5013

Monochromacy



Original Color

20.0400, 10.5675, 95.5913

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.1701, 6.6615, 24.8999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0400, 10.5675, 95.5913 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(26, 59, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 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(26, 59, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 59, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.0400, 10.5675, 95.5913 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(26, 59, 255) }
```


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

```
.border{ border-color:rgb(26, 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(26, 59, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 59, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 59, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 59,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0400, 10.5675, 95.5913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 59, 255) }
```

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

```
.background{ background-color: rgb(26, 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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