

Converting Colors

XYZ(20.6698, 11.6384, 95.7648)

Have a look what the booklet for
XYZ(20.6698, 11.6384, 95.7648)
contains.

XYZ(20.6822, 11.6456, 95.7655)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6822, 11.6456,
95.7655)**

Conversions

Conversions Part 1

Format	Color
Hex	1F44FF
RGB	31, 68, 255
RGB Percent	12%, 27%, 100%
CMY	0.8783, 0.7333, 0.0000
CMYK	0.88, 0.73, 0.00, 0.00
HSL	230°, 100%, 56%
HSV	230°, 88%, 100%
XYZ	20.6822, 11.6456, 95.7655
YIQ	78.2550, -82.0790, 50.3130

Conversions

Conversions Part 2

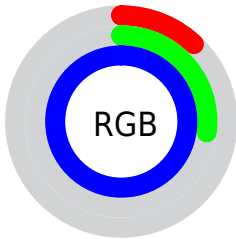
Format	Color
R _Y B	31, 63, 255
Decimal	2049279
CIE Lab	40.65, 56.57, -93.95
CIE LCh	41, 109.671, 301.052
Yxy	11.6456, 0.1615, 0.0909
Android (android.graphics.Color)	4280239359 (0xFF1F44FF)
YUV	78.2550, 87.1353, -41.4426
Hunter-Lab	34.1257, 48.4619, -142.4953

Details

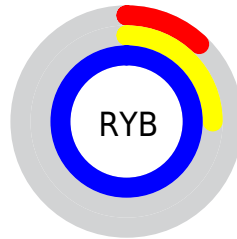
The XYZ color **20.6822, 11.6456, 95.7655** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **66.5677, 71.5191, 11.5945**, and the grayscale version is **7.1432, 7.5152, 8.1840**.

A 20% lighter version of the original color is **32.6968, 24.3878, 97.5918**, and **10.3844, 4.6440, 53.1724** is the 20% darker color. If you saturate the color by 10%, you get **19.1240, 9.2653, 95.3882**, and if you desaturate by 10%, it is **23.3071, 15.2690, 96.3265**.

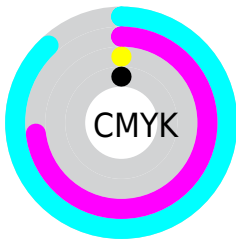
Distribution



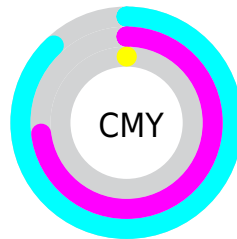
- Red (12%)
- Green (27%)
- Blue (100%)



- Red (12%)
- Yellow (25%)
- Blue (100%)



- Cyan (88%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6822, 11.6456, 95.7655 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 20.6822, 11.6456, 95.7655 by changing the saturation by 10% instead.

■ 20.6822, 11.6456,
95.7655

■ 20.6822, 11.6456,
95.7655

248.3485,
202.0447, 567.6596

■ 13.0030, 6.5028,
72.1719

■ 44.0533, 28.8480,
157.3264

■ 7.5076, 3.1532,
52.8114

■ 60.4759, 41.6764,
196.1308

■ 3.8307, 1.2122,
37.2655

■ 80.5438, 57.8355,
240.8424

■ 1.6068, 0.0717,
25.1157

■ 104.6222, 77.7096,
291.8800

■ 0.3968, 0.0000,
15.9435

■ 133.0765,
101.6832, 349.6619

■ 0.0000, 0.0000,
9.3303

166.2721,

■ 0.0000, 0.0000,

130.1407, 414.6068

4.8575

204.5743,
163.4664, 487.1332

■ 0.0000, 0.0000,
2.1066

■ 0.0000, 0.0000,
0.6197

■ 20.6822, 11.6456,
95.7655

■ 20.6822, 11.6456,
95.7655

■ 19.1240, 9.2653,
95.3882

■ 23.3071, 15.2690,
96.3265

■ 18.8811, 8.8822,
95.3270

■ 27.1710, 20.2926,
97.0925

■ 32.4112, 26.8463,
98.0813

■ 39.1455, 35.0446,
99.3088

■ 47.4789, 44.9905,
100.7894

■ 57.5068, 56.7787,
102.5362

■ 69.3169, 70.4968,
104.5616

■ 82.9908, 86.2268,
106.8771

■ 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.



11.3449, 11.6456, 121.2808



20.6822, 11.6456, 95.7655



29.9220, 11.6456, 46.6275

Triad

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



20.6822, 11.6456, 95.7655



19.9710, 11.6456, 0.0000



1.8508, 11.6456, 13.4806

Complementary

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



20.6822, 11.6456, 95.7655



66.5677, 71.5191, 11.5945

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.



2.4750, 11.6456, 1.2063



20.6822, 11.6456, 95.7655



10.7972, 11.6456, 0.0000

Square

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



20.6822, 11.6456, 95.7655



29.3938, 11.6456, 0.9446



5.0202, 11.6456, 0.0000



2.5773, 11.6456, 49.9389

Rectangle

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



20.6822, 11.6456, 95.7655



33.3061, 11.6456, 20.5519



5.0202, 11.6456, 0.0000



1.9057, 11.6456, 7.1290

Sweetspot

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



20.6830, 11.6457, 95.7655



59.5336, 59.1439, 102.8859



48.9380, 76.8566, 78.3602



11.9328, 11.7133, 21.8819



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.



20.6830, 11.6457, 95.7655



18.8811, 8.8822, 95.3270



24.4475, 11.2466, 95.4900



17.2452, 17.8620, 22.7887



9.9364, 4.7824, 49.8340



1.0326, 0.5958, 4.8739

Inverse Universe

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



42.7741, 22.6589, 7.5876



41.6595, 21.4278, 4.1391



54.9102, 81.3637, 14.1091



18.1317, 18.0360, 19.3104



21.8036, 11.2108, 2.3505



2.1558, 1.1047, 0.4019

Previews

White Background



This preview shows how the XYZ color 20.6822, 11.6456, 95.7655 looks on a white background.

Color Contrast Check

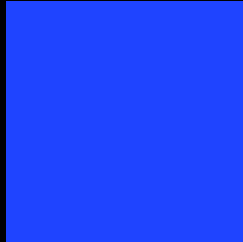
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6822, 11.6456, 95.7655 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 20.6822, 11.6456, 95.7655

Background



This preview shows how black text looks on a background with the XYZ color 20.6822, 11.6456, 95.7655.



This preview shows how white text looks on a background with the XYZ color 20.6822, 11.6456,

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

20.6822, 11.6456, 95.7655

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

10.9755, 11.2297, 36.7110



Tritanopia

7.9208, 11.2508, 16.7931

Trichromacy



Original Color

20.6822, 11.6456, 95.7655

Protanomaly

15.4970, 11.1640, 65.6281

Deuteranomaly

13.5438, 10.7579, 54.1860

Tritanomaly

10.5760, 10.3698, 36.0945

Monochromacy



Original Color

20.6822, 11.6456, 95.7655

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.2557, 7.8427, 26.6171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6822, 11.6456, 95.7655 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, 68, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 68, 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, 68, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 68, 255) }
```

Border

The CSS property to change the border of an element to XYZ 20.6822, 11.6456, 95.7655 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, 68, 255) }
```


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

```
.border{ border-color:rgb(31, 68, 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, 68, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 68, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 68, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 68,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6822, 11.6456, 95.7655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 68, 255) }
```

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

```
.background{ background-color: rgb(31, 68,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor