

Converting Colors

XYZ(20.3613, 10.4580, 79.5427)

Have a look what the booklet for
XYZ(20.3613, 10.4580, 79.5427)
contains.

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Color

**XYZ(20.3524, 10.4530,
79.5422)**

Conversions

Conversions Part 1

Format	Color
Hex	5A32EB
RGB	90, 50, 235
RGB Percent	35%, 20%, 92%
CMY	0.6470, 0.8039, 0.0784
CMYK	0.62, 0.79, 0.00, 0.08
HSL	253°, 82%, 56%
HSV	253°, 79%, 92%
XYZ	20.3524, 10.4530, 79.5422
YIQ	83.0500, -35.5450, 66.0150

Conversions

Conversions Part 2

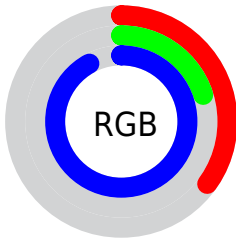
Format	Color
R_{YB}	90, 50, 235
Decimal	5911275
CIE _{Lab}	38.64, 63.60, -85.91
CIE _{LCh}	39, 106.892, 306.512
Yxy	10.4530, 0.1844, 0.0947
Android (android.graphics.Color)	4284101355 (0xFF5A32EB)
YUV	83.0500, 74.9113, 6.0952
Hunter-Lab	32.3311, 55.7862, -123.2357

Details

The XYZ color **20.3524, 10.4530, 79.5422** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **52.7874, 71.2480, 13.9874**, and the grayscale version is **8.0904, 8.5118, 9.2693**.

A 20% lighter version of the original color is **36.3189, 23.6913, 97.2664**, and **8.0359, 3.2144, 42.3164** is the 20% darker color. If you saturate the color by 10%, you get **18.0179, 8.1212, 79.2155**, and if you desaturate by 10%, it is **23.6470, 14.0438, 80.0620**.

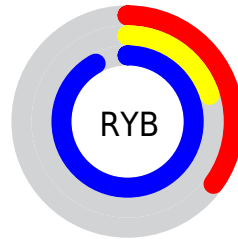
Distribution



Red (35%)

Green (20%)

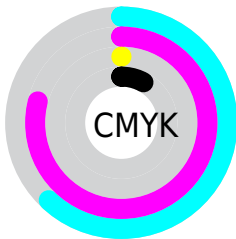
Blue (92%)



Red (35%)

Yellow (20%)

Blue (92%)

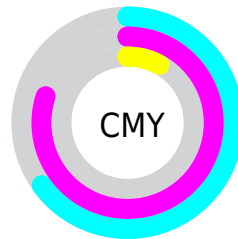


Cyan (62%)

Magenta (79%)

Yellow (0%)

Black (8%)



Cyan (65%)

Magenta (80%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3524, 10.4530, 79.5422 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 20.3524, 10.4530, 79.5422 by changing the saturation by 10% instead.

■ 20.3524, 10.4530,
79.5422

■ 20.3524, 10.4530,
79.5422

246.6139,
193.8753, 513.0547

■ 12.7612, 5.7003,
58.8178

■ 43.5067, 26.6441,
134.5275

■ 7.3402, 2.6637,
42.0474

■ 59.8005, 38.8514,
169.6254

■ 3.7240, 0.9588,
28.8125

■ 79.7258, 54.3123,
210.3515

■ 1.5472, 0.0000,
18.6947

■ 103.6482, 73.4112,
257.1244

■ 0.3576, 0.0000,
11.2753

■ 131.9328, 96.5326,
310.3627

■ 0.0000, 0.0000,
6.1358

■ 164.9450,

■ 0.0000, 0.0000,

124.0608, 370.4848

2.8577

203.0503,
156.3803, 437.9093

■ 0.0000, 0.0000,
1.0225

■ 0.0000, 0.0000,
0.0000

■ 20.3524, 10.4530,
79.5422

■ 20.3524, 10.4530,
79.5422

■ 18.0179, 8.1212,
79.2155

■ 23.6470, 14.0438,
80.0620

■ 16.5052, 6.8248,
79.0450

■ 27.9989, 19.0471,
80.7983

■ 16.3518, 6.6974,
79.0285

■ 33.4950, 25.5946,
81.7724

■ 40.2119, 33.8023,
83.0027

■ 48.2197, 43.7751,
84.5056

■ 57.5827, 55.6090,
86.2963

■ 68.3611, 69.3931,
88.3888

■ 80.6112, 85.2107,
90.7962

■ 91.9955, 98.7782,
92.8150

Harmonies

Analogous

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



11.5496, 10.4530, 109.5628



20.3524, 10.4530, 79.5422



28.2214, 10.4530, 34.8562

Triad

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



20.3524, 10.4530, 79.5422



16.3605, 10.4530, 0.0000



1.6448, 10.4530, 16.3644

Complementary

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



20.3524, 10.4530, 79.5422



52.7874, 71.2480, 13.9874

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.



1.9766, 10.4530, 1.8710



20.3524, 10.4530, 79.5422



8.4788, 10.4530, 0.0000

Square

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



20.3524, 10.4530, 79.5422



25.2551, 10.4530, 0.2116



3.8646, 10.4530, 0.0000



2.5468, 10.4530, 53.4925

Rectangle

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



20.3524, 10.4530, 79.5422



30.4767, 10.4530, 13.9051



3.8646, 10.4530, 0.0000



1.6262, 10.4530, 9.1834

Sweetspot

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



20.3531, 10.4532, 79.5425



63.0393, 58.9851, 102.6705



36.5048, 47.0643, 85.7579



12.6575, 11.5724, 21.8165



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.



20.3531, 10.4532, 79.5425



20.5494, 8.7684, 95.2171



34.8420, 17.9225, 80.2206



14.5357, 14.7059, 18.9947



9.1882, 3.7726, 43.9869



0.8012, 0.3373, 3.4578

Inverse Universe

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



45.2508, 23.8829, 53.8490



52.2138, 25.9297, 58.8535



36.1685, 62.6807, 13.2096



15.5672, 15.2547, 18.2723



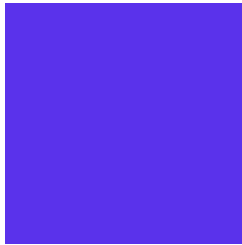
23.9424, 11.7796, 26.5617



1.9146, 0.9388, 2.2679

Previews

White Background



This preview shows how the XYZ color 20.3524, 10.4530, 79.5422 looks on a white background.

Color Contrast Check

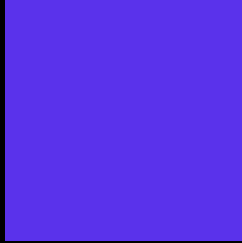
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3524, 10.4530, 79.5422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

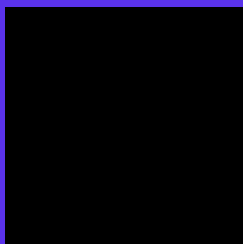
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3524, 10.4530, 79.5422

Background



This preview shows how black text looks on a background with the XYZ color 20.3524, 10.4530, 79.5422.



This preview shows how white text looks on a background with the XYZ color 20.3524, 10.4530,

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

20.3524, 10.4530, 79.5422

Protanopia

12.0599, 10.2771, 46.6954

Deuteranopia

10.0002, 10.2630, 33.3522



Tritanopia

7.4299, 10.2826, 15.7805

Trichromacy



Original Color

20.3524, 10.4530, 79.5422



Protanomaly

13.8555, 9.5327, 57.6096



Deuteranomaly

12.0380, 9.1339, 47.0275



Tritanomaly

9.7645, 8.8391, 31.7633

Monochromacy



Original Color

20.3524, 10.4530, 79.5422



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

10.6784, 8.3199, 25.0878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3524, 10.4530, 79.5422 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(90, 50, 235)` looks like.

```
.text, #text, p{  
    color:rgb(90, 50, 235)  
}
```

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(90, 50, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 50, 235) }
```

Border

The CSS property to change the border of an element to XYZ 20.3524, 10.4530, 79.5422 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(90, 50, 235) }
```


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

```
.border{ border-color:rgb(90, 50, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 50, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 50, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 50, 235);  
box-shadow:4px 4px 4px 4px rgb(90, 50,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3524, 10.4530, 79.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 50, 235) }
```

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

```
.background{ background-color: rgb(90, 50,  
235) }
```

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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