

Converting Colors

XYZ(20.4645, 11.0920, 53.2869)

Have a look what the booklet for
XYZ(20.4645, 11.0920, 53.2869)
contains.

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Color

**XYZ(20.4645, 11.0920,
53.2869)**

Conversions

Conversions Part 1

Format	Color
Hex	8332C4
RGB	131, 50, 196
RGB Percent	51%, 20%, 77%
CMY	0.4863, 0.8039, 0.2314
CMYK	0.33, 0.74, 0.00, 0.23
HSL	273°, 59%, 48%
HSV	273°, 74%, 77%
XYZ	20.4645, 11.0920, 53.2869
YIQ	90.8630, 1.4100, 62.5780

Conversions

Conversions Part 2

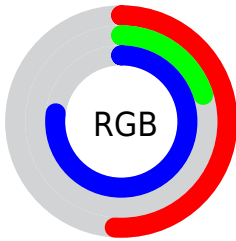
Format	Color
R_{YB}	131, 50, 196
Decimal	8598212
CIE _{Lab}	39.73, 59.44, -61.52
CIE _{LCh}	40, 85.543, 314.019
Yxy	11.0920, 0.2412, 0.1307
Android (android.graphics.Color)	4286788292 (0xFF8332C4)
YUV	90.8630, 51.8325, 35.2001
Hunter-Lab	33.3047, 51.3986, -71.5498

Details

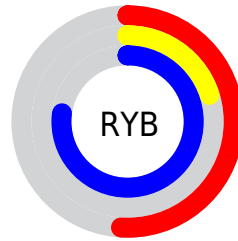
The XYZ color **20.4645, 11.0920, 53.2869** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **27.3857, 43.3550, 9.9427**, and the grayscale version is **9.7993, 10.3097, 11.2272**.

A 20% lighter version of the original color is **43.8260, 27.8752, 96.8365**, and **7.6318, 3.3789, 25.4493** is the 20% darker color. If you saturate the color by 10%, you get **18.5037, 9.0924, 53.0045**, and if you desaturate by 10%, it is **22.8987, 13.8680, 53.6947**.

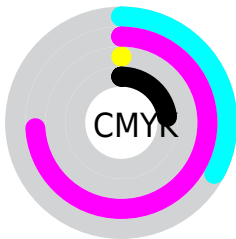
Distribution



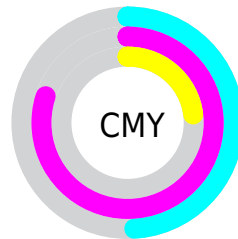
- Red (51%)
- Green (20%)
- Blue (77%)



- Red (51%)
- Yellow (20%)
- Blue (77%)



- Cyan (33%)
- Magenta (74%)
- Yellow (0%)
- Black (23%)



- Cyan (49%)
- Magenta (80%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4645, 11.0920, 53.2869 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 20.4645, 11.0920, 53.2869 by changing the saturation by 10% instead.

■ 20.4645, 11.0920,
53.2869

■ 20.4645, 11.0920,
53.2869

247.2047,
198.2976, 416.4823

■ 12.8434, 6.1287,
37.6426

■ 43.6926, 27.8302,
96.4722

■ 7.3970, 2.9235,
25.4057

■ 60.0303, 40.3739,
124.8503

■ 3.7601, 1.0919,
16.1578

■ 80.0042, 56.2132,
158.3100

■ 1.5674, 0.0000,
9.4803

■ 103.9797, 75.7325,
197.2699

■ 0.3710, 0.0000,
4.9547

■ 132.3222, 99.3162,
242.1486

■ 0.0000, 0.0000,
2.1624

■ 165.3969,

■ 0.0000, 0.0000,

127.3487, 293.3645

0.6526

203.5693,
160.2144, 351.3362

■ 0.0000, 0.0000,
0.0000

■ 20.4645, 11.0920,
53.2869

■ 20.4645, 11.0920,
53.2869

■ 18.5037, 9.0924,
53.0045

■ 22.8987, 13.8680,
53.6947

■ 16.9625, 7.7678,
52.8301

■ 25.8481, 17.5022,
54.2407

■ 16.2390, 7.2205,
52.7626

■ 29.3511, 22.0667,
54.9371

■ 33.4416, 27.6256,
55.7945

■ 38.1506, 34.2371,
56.8224

■ 43.5065, 41.9549,
58.0298

■ 49.5362, 50.8290,
59.4249

■ 56.2646, 60.9060,
61.0153

■ 63.7155, 72.2302,
62.8084

Harmonies

Analogous

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



13.5127, 11.0920, 78.1777



20.4645, 11.0920, 53.2869



25.4983, 11.0920, 23.3118

Triad

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



20.4645, 11.0920, 53.2869



13.9572, 11.0920, 0.0000



2.9562, 11.0920, 21.6960

Complementary

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



20.4645, 11.0920, 53.2869



27.3857, 43.3550, 9.9427

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.



2.9992, 11.0920, 5.1958



20.4645, 11.0920, 53.2869



8.0431, 11.0920, 0.0000

Square

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



20.4645, 11.0920, 53.2869



20.8920, 11.0920, 0.6338



4.4935, 11.0920, 0.4889



4.3407, 11.0920, 51.2126

Rectangle

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



20.4645, 11.0920, 53.2869



26.2397, 11.0920, 9.9551



4.4935, 11.0920, 0.4889



2.8263, 11.0920, 14.4815

Sweetspot

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



20.4651, 11.0924, 53.2872



71.0916, 64.8480, 103.3777



17.4902, 17.0856, 54.6008



14.6742, 13.1068, 22.0064



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.



20.4651, 11.0924, 53.2872



31.7861, 14.9194, 95.8122



33.0585, 17.6782, 49.6436



10.0506, 10.0173, 12.6886



10.5346, 4.6912, 33.9069



0.5335, 0.2431, 1.4687

Inverse Universe

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



27.0001, 15.2549, 17.7405



45.6246, 23.6801, 22.9647



21.8015, 40.4566, 10.5702



10.2554, 10.1507, 11.4352



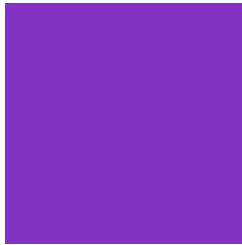
15.7816, 8.0024, 6.7619



0.7165, 0.3596, 0.4746

Previews

White Background



This preview shows how the XYZ color 20.4645, 11.0920, 53.2869 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 20.4645, 11.0920, 53.2869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

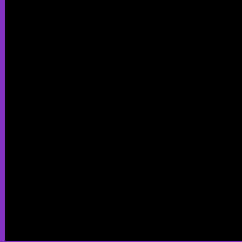
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4645, 11.0920, 53.2869

Background



This preview shows how black text looks on a background with the XYZ color 20.4645, 11.0920, 53.2869.



This preview shows how white text looks on a background with the XYZ color 20.4645, 11.0920,

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

20.4645, 11.0920, 53.2869

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

11.1579, 11.1558, 38.1244



Tritanopia

12.1107, 11.0693, 12.0880

Trichromacy



Original Color

20.4645, 11.0920, 53.2869



Protanomaly

13.4290, 9.6475, 51.6064



Deuteranomaly

12.0508, 9.4347, 43.3054



Tritanomaly

14.1533, 10.4582, 22.7454

Monochromacy



Original Color

20.4645, 11.0920, 53.2869



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

12.4907, 9.8180, 22.0056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4645, 11.0920, 53.2869 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(131, 50, 196)` looks like.

```
.text, #text, p{  
    color:rgb(131, 50, 196)  
}
```

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(131, 50, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 50, 196) }
```

Border

The CSS property to change the border of an element to XYZ 20.4645, 11.0920, 53.2869 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(131, 50, 196) }
```


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

```
.border{ border-color:rgb(131, 50, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 50, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 50, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 50, 196);  
box-shadow:4px 4px 4px 4px rgb(131, 50,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4645, 11.0920, 53.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 50, 196) }
```

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

```
.background{ background-color: rgb(131, 50,  
196) }
```

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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