

Converting Colors

XYZ(20.5453, 15.5891, 45.6697)

Have a look what the booklet for
XYZ(20.5453, 15.5891, 45.6697)
contains.

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Color

**XYZ(20.5116, 15.5526,
45.6369)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5EB5
RGB	123, 94, 181
RGB Percent	48%, 37%, 71%
CMY	0.5176, 0.6314, 0.2902
CMYK	0.32, 0.48, 0.00, 0.29
HSL	260°, 37%, 54%
HSV	260°, 48%, 71%
XYZ	20.5116, 15.5526, 45.6369
YIQ	112.5890, -10.6430, 33.2050

Conversions

Conversions Part 2

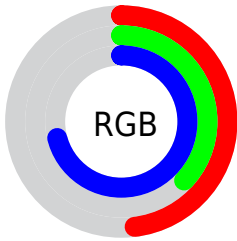
Format	Color
R _Y B	123, 94, 181
Decimal	8085173
CIE Lab	46.38, 31.02, -42.12
CIE LCh	46, 52.311, 306.372
Yxy	15.5526, 0.2511, 0.1904
Android (android.graphics.Color)	4286275253 (0xFF7B5EB5)
YUV	112.5890, 33.7266, 9.1304
Hunter-Lab	39.4368, 23.8259, -41.0056

Details

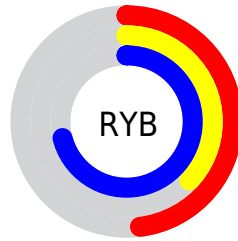
The XYZ color **20.5116, 15.5526, 45.6369** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **31.4934, 40.5315, 16.7537**, and the grayscale version is **15.4809, 16.2871, 17.7366**.

A 20% lighter version of the original color is **43.7716, 35.8302, 84.7297**, and **7.4386, 4.8936, 20.9746** is the 20% darker color. If you saturate the color by 10%, you get **17.4658, 11.8670, 45.0863**, and if you desaturate by 10%, it is **24.1488, 20.1038, 46.3240**.

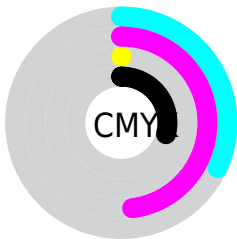
Distribution



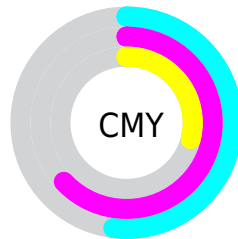
- Red (48%)
- Green (37%)
- Blue (71%)



- Red (48%)
- Yellow (37%)
- Blue (71%)



- Cyan (32%)
- Magenta (48%)
- Yellow (0%)
- Black (29%)



- Cyan (52%)
- Magenta (63%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5116, 15.5526, 45.6369 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 20.5116, 15.5526, 45.6369 by changing the saturation by 10% instead.

■ 20.5116, 15.5526,
45.6369

■ 20.5116, 15.5526,
45.6369

247.4525,
226.6870, 385.5820

■ 12.8779, 9.2081,
31.6128

■ 43.7707, 35.8197,
85.0039

■ 7.4209, 4.8772,
20.8036

■ 60.1268, 50.5112,
111.1838

■ 3.7754, 2.1754,
12.7906

■ 80.1211, 68.7537,
142.2528

■ 1.5759, 0.7065,
7.1555

■ 104.1189, 90.9318,
178.6293

■ 0.3766, 0.0000,
3.4796

132.4856,
117.4298, 220.7320

■ 0.0000, 0.0000,
1.3444

165.5865,

■ 0.0000, 0.0000,

148.6320, 268.9793

0.0978

203.7870,
184.9230, 323.7898

■ 0.0000, 0.0000,
0.0000

■ 20.5116, 15.5526,
45.6369

■ 20.5116, 15.5526,
45.6369

■ 17.4658, 11.8670,
45.0863

■ 24.1488, 20.1038,
46.3240

■ 14.9750, 8.9877,
44.6619

■ 28.4071, 25.5710,
47.1548

■ 13.0015, 6.8506,
44.3534

■ 33.3161, 32.0026,
48.1375

■ 11.5010, 5.3802,
44.1486

■ 38.9032, 39.4433,
49.2792

■ 10.4075, 4.4582,
44.0283

■ 45.1939, 47.9348,
50.5867

■ 10.2244, 4.3074,
44.0088

■ 52.2123, 57.5163,
52.0662

■ 59.9816, 68.2251,
53.7237

■ 68.5238, 80.0968,
55.5650

■ 77.2499, 91.9453,
57.3920

Harmonies

Analogous

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



15.7606, 15.5526, 55.2715



20.5116, 15.5526, 45.6369



24.1790, 15.5526, 28.8929

Triad

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



20.5116, 15.5526, 45.6369



18.5167, 15.5526, 2.8857



7.7590, 15.5526, 19.8272

Complementary

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



20.5116, 15.5526, 45.6369



31.4934, 40.5315, 16.7537

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.



8.2032, 15.5526, 8.8361



20.5116, 15.5526, 45.6369



13.8453, 15.5526, 2.3352

Square

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



20.5116, 15.5526, 45.6369



22.8739, 15.5526, 6.1013



10.2335, 15.5526, 3.8134



8.8669, 15.5526, 36.2196

Rectangle

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



20.5116, 15.5526, 45.6369



25.1724, 15.5526, 18.5461



10.2335, 15.5526, 3.8134



7.7356, 15.5526, 15.4184

Sweetspot

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



20.5122, 15.5532, 45.6373



63.3559, 62.2037, 86.9619



24.1853, 28.1728, 47.8795



13.2461, 12.8507, 18.7045



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.5122, 15.5532, 45.6373



30.8376, 20.7297, 80.6705



28.1745, 19.5032, 45.9959



8.3000, 8.3632, 10.6831



7.1151, 3.0038, 30.3418



0.2873, 0.1272, 0.9576

Inverse Universe

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



28.7266, 20.0966, 32.0708



47.7583, 30.1141, 51.5776



24.7900, 37.0758, 16.4400



8.7272, 8.5976, 10.0618



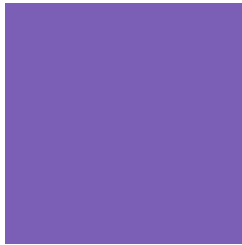
15.5351, 7.7316, 13.2434



0.5145, 0.2536, 0.5521

Previews

White Background



This preview shows how the XYZ color 20.5116, 15.5526, 45.6369 looks on a white background.

Color Contrast Check

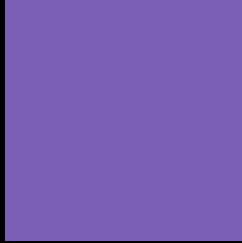
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5116, 15.5526, 45.6369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

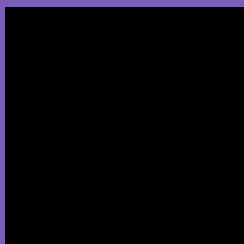
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5116, 15.5526, 45.6369

Background



This preview shows how black text looks on a background with the XYZ color 20.5116, 15.5526, 45.6369.



This preview shows how white text looks on a background with the XYZ color 20.5116, 15.5526,

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

20.5116, 15.5526, 45.6369

Protanopia

17.4091, 15.6677, 52.5587

Deuteranopia

16.1376, 15.6683, 44.2932



Tritanopia

15.1691, 15.5603, 19.3435

Trichromacy



Original Color

20.5116, 15.5526, 45.6369

Protanomaly

18.0565, 15.3007, 50.1458

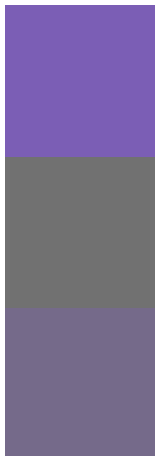
Deuteranomaly

17.2068, 15.2791, 44.6901

Tritanomaly

16.8283, 15.4686, 27.2981

Monochromacy



Original Color

20.5116, 15.5526, 45.6369

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.0776, 15.9250, 26.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5116, 15.5526, 45.6369 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(123, 94, 181)` looks like.

```
.text, #text, p{  
    color:rgb(123, 94, 181)  
}
```

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(123, 94, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 94, 181) }
```

Border

The CSS property to change the border of an element to XYZ 20.5116, 15.5526, 45.6369 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(123, 94, 181) }
```


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

```
.border{ border-color:rgb(123, 94, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 94, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 94, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 94, 181);  
box-shadow:4px 4px 4px 4px rgb(123, 94,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5116, 15.5526, 45.6369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 94, 181) }
```

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

```
.background{ background-color: rgb(123, 94,  
181) }
```

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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