

Converting Colors

XYZ(21.0503, 17.0646, 23.7667)

Have a look what the booklet for
XYZ(21.0503, 17.0646, 23.7667)
contains.

XYZ(20.9530, 16.9519, 23.6404)	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(20.9530, 16.9519,
23.6404)**

Conversions

Conversions Part 1

Format	Color
Hex	956383
RGB	149, 99, 131
RGB Percent	58%, 39%, 51%
CMY	0.4157, 0.6118, 0.4863
CMYK	0.00, 0.34, 0.12, 0.42
HSL	322°, 20%, 49%
HSV	322°, 34%, 58%
XYZ	20.9530, 16.9519, 23.6404
YIQ	117.5980, 19.5280, 20.5520

Conversions

Conversions Part 2

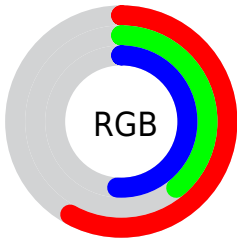
Format	Color
R_{YB}	149, 99, 131
Decimal	9790339
CIE _{Lab}	48.20, 25.32, -9.52
CIE _{LCh}	48, 27.054, 339.401
Yxy	16.9519, 0.3404, 0.2754
Android (android.graphics.Color)	4287980419 (0xFF956383)
YUV	117.5980, 6.6072, 27.5396
Hunter-Lab	41.1727, 18.7874, -5.2221

Details

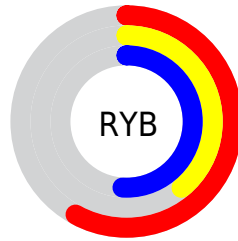
The XYZ color **20.9530, 16.9519, 23.6404** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.1046, 25.4324, 20.7328**, and the grayscale version is **17.0705, 17.9595, 19.5579**.

A 20% lighter version of the original color is **44.4599, 38.1108, 50.3602**, and **7.6366, 5.5182, 8.6453** is the 20% darker color. If you saturate the color by 10%, you get **19.3154, 14.2433, 21.3470**, and if you desaturate by 10%, it is **22.8709, 20.1905, 26.1205**.

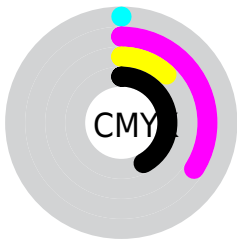
Distribution



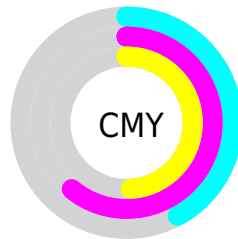
- Red (58%)
- Green (39%)
- Blue (51%)



- Red (58%)
- Yellow (39%)
- Blue (51%)



- Cyan (0%)
- Magenta (34%)
- Yellow (12%)
- Black (42%)



- Cyan (42%)
- Magenta (61%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9530, 16.9519, 23.6404 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 20.9530, 16.9519, 23.6404 by changing the saturation by 10% instead.

■ 20.9530, 16.9519,
23.6404

■ 20.9530, 16.9519,
23.6404

249.7651,
234.8950, 284.2252

■ 13.2019, 10.2002,
14.8574

■ 44.5012, 38.2431,
50.3792

■ 7.6457, 5.5319,
8.5738

■ 61.0290, 53.5513,
69.1720

■ 3.9190, 2.5626,
4.3713

■ 81.2130, 72.4805,
92.1385

■ 1.6564, 0.9079,
1.8312

■ 105.4187, 95.4151,
119.6973

■ 0.4287, 0.0000,
0.4484

134.0114,
122.7395, 152.2668

■ 0.0000, 0.0000,
0.0000

167.3565,

154.8380, 190.2655

205.8192,
192.0950, 234.1122

■ 20.9530, 16.9519,
23.6404

■ 20.9530, 16.9519,
23.6404

■ 19.3154, 14.2433,
21.3470

■ 22.8709, 20.1905,
26.1205

■ 17.9419, 12.0336,
19.2330

■ 25.0812, 23.9833,
28.7921

■ 16.8171, 10.2920,
17.2919

■ 27.5968, 28.3560,
31.6611

■ 15.9230, 8.9831,
15.5164

■ 30.4298, 33.3319,
34.7327

■ 15.2394, 8.0669,
13.8982

■ 33.5912, 38.9329,
38.0120

■ 14.7421, 7.4954,
12.4276

■ 37.0918, 45.1799,
41.5038

■ 14.4764, 7.2224,
11.5428

■ 40.9417, 52.0930,
45.2127

■ 45.1507, 59.6910,
49.1431

■ 49.7280, 67.9925,
53.2994

Harmonies

Analogous

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



19.3019, 16.9519, 31.0151



20.9530, 16.9519, 23.6404



21.2386, 16.9519, 16.3340

Triad

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



20.9530, 16.9519, 23.6404



15.3526, 16.9519, 8.0664



12.7296, 16.9519, 28.4501

Complementary

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



20.9530, 16.9519, 23.6404



19.1046, 25.4324, 20.7328

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.



11.8853, 16.9519, 20.7580



20.9530, 16.9519, 23.6404



13.2949, 16.9519, 9.8506

Square

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



20.9530, 16.9519, 23.6404



17.8327, 16.9519, 8.4664



12.0812, 16.9519, 14.0939



14.5062, 16.9519, 34.2460

Rectangle

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



20.9530, 16.9519, 23.6404



20.5899, 16.9519, 12.5789



12.0812, 16.9519, 14.0939



12.3360, 16.9519, 25.9310

Sweetspot

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



20.9535, 16.9527, 23.6408



46.3648, 45.4578, 53.2448



17.1565, 14.8418, 30.3946



10.1522, 9.8611, 11.6578



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.9535, 16.9527, 23.6408



35.3475, 26.7475, 39.3237



19.4845, 16.3651, 15.9051



5.9476, 5.8741, 6.8301



12.1983, 6.0844, 9.7911



0.1634, 0.0801, 0.1943

Inverse Universe

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



20.9535, 16.9527, 23.6408



35.3475, 26.7475, 39.3237



20.7386, 26.0860, 29.3373



5.9476, 5.8741, 6.8301



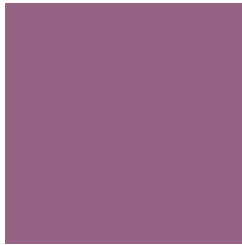
12.1983, 6.0844, 9.7911



0.1634, 0.0801, 0.1943

Previews

White Background



This preview shows how the XYZ color 20.9530, 16.9519, 23.6404 looks on a white background.

Color Contrast Check

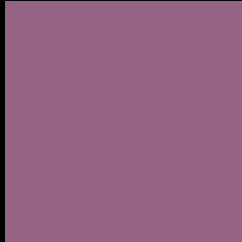
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9530, 16.9519, 23.6404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

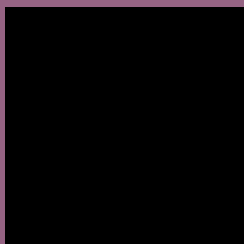
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9530, 16.9519, 23.6404

Background



This preview shows how black text looks on a background with the XYZ color 20.9530, 16.9519, 23.6404.



This preview shows how white text looks on a background with the XYZ color 20.9530, 16.9519,

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

20.9530, 16.9519, 23.6404

Protanopia

17.1317, 17.2089, 27.6180

Deuteranopia

17.3644, 17.0953, 23.1534



Tritanopia

19.7521, 17.0512, 17.2891

Trichromacy



Original Color

20.9530, 16.9519, 23.6404

Protanomaly

18.2962, 17.0285, 25.9894

Deuteranomaly

18.4929, 16.8729, 23.4012

Tritanomaly

20.2341, 17.1066, 19.3750

Monochromacy



Original Color

20.9530, 16.9519, 23.6404

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.3129, 17.4661, 21.1450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9530, 16.9519, 23.6404 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(149, 99, 131)` looks like.

```
.text, #text, p{  
    color:rgb(149, 99, 131)  
}
```

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(149, 99, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 99, 131) }
```

Border

The CSS property to change the border of an element to XYZ 20.9530, 16.9519, 23.6404 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(149, 99, 131) }
```


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

```
.border{ border-color:rgb(149, 99, 131) }
```

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

Here you see how a box with a 4 pixel rgb(149, 99, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 99, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 99, 131);  
box-shadow:4px 4px 4px 4px rgb(149, 99,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9530, 16.9519, 23.6404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 99, 131) }
```

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

```
.background{ background-color: rgb(149, 99,  
131) }
```

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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