

Converting Colors

XYZ(20.2627, 16.0195, 37.1526)

Have a look what the booklet for
XYZ(20.2627, 16.0195, 37.1526)
contains.

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Color

**XYZ(20.3356, 16.0550,
37.1491)**

Conversions

Conversions Part 1

Format	Color
Hex	8361A4
RGB	131, 97, 164
RGB Percent	51%, 38%, 64%
CMY	0.4863, 0.6196, 0.3569
CMYK	0.20, 0.41, 0.00, 0.36
HSL	270°, 27%, 51%
HSV	270°, 41%, 64%
XYZ	20.3356, 16.0550, 37.1491
YIQ	114.8040, -1.2430, 28.0450

Conversions

Conversions Part 2

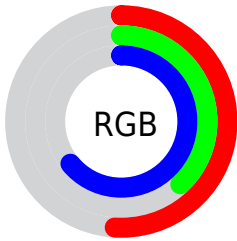
Format	Color
RYB	131, 97, 164
Decimal	8610212
CIELab	47.05, 27.30, -31.05
CIELCh	47, 41.344, 311.318
Yxy	16.0550, 0.2765, 0.2183
Android (android.graphics.Color)	4286800292 (0xFF8361A4)
YUV	114.8040, 24.2536, 14.2039
Hunter-Lab	40.0687, 20.4718, -26.9218

Details

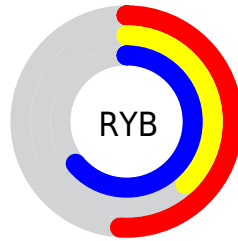
The XYZ color **20.3356, 16.0550, 37.1491** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.6395, 32.1602, 16.2188**, and the grayscale version is **16.1661, 17.0080, 18.5217**.

A 20% lighter version of the original color is **43.3837, 36.6086, 71.7974**, and **7.3735, 5.1565, 15.9359** is the 20% darker color. If you saturate the color by 10%, you get **17.7714, 12.7117, 36.6392**, and if you desaturate by 10%, it is **23.3118, 20.0764, 37.7687**.

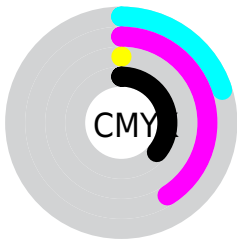
Distribution



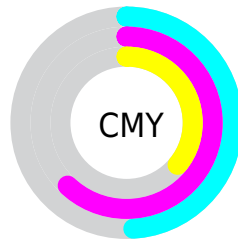
- Red (51%)
- Green (38%)
- Blue (64%)



- Red (51%)
- Yellow (38%)
- Blue (64%)



- Cyan (20%)
- Magenta (41%)
- Yellow (0%)
- Black (36%)



- Cyan (49%)
- Magenta (62%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3356, 16.0550, 37.1491 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 20.3356, 16.0550, 37.1491 by changing the saturation by 10% instead.

■ 20.3356, 16.0550,
37.1491

■ 20.3356, 16.0550,
37.1491

246.5253,
229.6660, 349.1437

■ 12.7489, 9.5631,
25.0263

■ 43.4788, 36.6937,
71.9909

■ 7.3317, 5.1102,
15.8774

■ 59.7660, 51.6092,
95.5470

■ 3.7185, 2.3121,
9.2840

■ 79.6841, 70.1014,
123.7512

■ 1.5442, 0.7801,
4.8276

■ 103.5984, 92.5546,
157.0222

■ 0.3556, 0.0000,
2.0895

131.8744,
119.3533, 195.7783

■ 0.0000, 0.0000,
0.6095

164.8772,

■ 0.0000, 0.0000,

150.8819, 240.4383

0.0000

202.9724,
187.5246, 291.4206

■ 20.3356, 16.0550,
37.1491

■ 20.3356, 16.0550,
37.1491

■ 17.7714, 12.7117,
36.6392

■ 23.3118, 20.0764,
37.7687

■ 15.5958, 10.0045,
36.2313

■ 26.7181, 24.8107,
38.5030

■ 13.7855, 7.8896,
35.9185

■ 30.5737, 30.2925,
39.3579

■ 12.3134, 6.3168,
35.6925

■ 34.8959, 36.5534,
40.3385

■ 11.1482, 5.2266,
35.5435

■ 39.7012, 43.6234,
41.4499

■ 10.2880, 4.5296,
35.4543

■ 45.0050, 51.5308,
42.6967

■ 50.8222, 60.3025,
44.0832

■ 57.1670, 69.9641,
45.6136

■ 64.0530, 80.5403,
47.2921

Harmonies

Analogous

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



16.6679, 16.0550, 45.2411



20.3356, 16.0550, 37.1491



22.8542, 16.0550, 24.6803

Triad

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



20.3356, 16.0550, 37.1491



17.6012, 16.0550, 4.5760



9.3986, 16.0550, 21.6953

Complementary

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



20.3356, 16.0550, 37.1491



24.6395, 32.1602, 16.2188

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.



9.5672, 16.0550, 11.8388



20.3356, 16.0550, 37.1491



13.9333, 16.0550, 4.3100

Square

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



20.3356, 16.0550, 37.1491



21.1112, 16.0550, 7.3419



11.1078, 16.0550, 6.3722



10.6038, 16.0550, 34.2347

Rectangle

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



20.3356, 16.0550, 37.1491



23.3355, 16.0550, 17.0263



11.1078, 16.0550, 6.3722



9.3022, 16.0550, 17.9441

Sweetspot

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



20.3362, 16.0556, 37.1495



54.4853, 53.5365, 71.2142



19.6804, 21.3209, 38.2003



11.7195, 11.4294, 15.5259



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.3362, 16.0556, 37.1495



32.6607, 23.5886, 66.5840



26.2858, 19.1228, 37.4279



7.0270, 7.0283, 8.8893



7.9435, 3.5015, 27.1870



0.2213, 0.1016, 0.5738

Inverse Universe

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



23.6142, 18.0542, 23.3598



39.7120, 27.8862, 36.9788



20.3634, 29.9558, 16.0187



7.2124, 7.1414, 8.1048



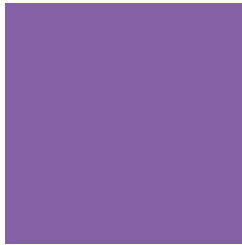
12.8952, 6.5141, 6.6387



0.2948, 0.1464, 0.2652

Previews

White Background



This preview shows how the XYZ color 20.3356, 16.0550, 37.1491 looks on a white background.

Color Contrast Check

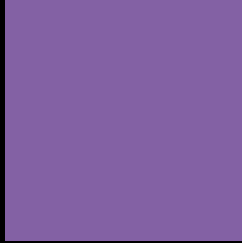
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3356, 16.0550, 37.1491 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 20.3356, 16.0550, 37.1491

Background



This preview shows how black text looks on a background with the XYZ color 20.3356, 16.0550, 37.1491.



This preview shows how white text looks on a background with the XYZ color 20.3356, 16.0550,

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

20.3356, 16.0550, 37.1491

Protanopia

17.3383, 16.3217, 42.7940

Deuteranopia

16.5311, 16.2174, 35.9772



Tritanopia

16.5785, 15.9873, 18.7351

Trichromacy



Original Color

20.3356, 16.0550, 37.1491

Protanomaly

18.1112, 15.9865, 40.6592

Deuteranomaly

17.6195, 15.9809, 36.3384

Tritanomaly

17.6881, 15.8296, 24.3135

Monochromacy



Original Color

20.3356, 16.0550, 37.1491

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.4814, 16.4835, 24.4506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3356, 16.0550, 37.1491 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, 97, 164)` looks like.

```
.text, #text, p{  
    color:rgb(131, 97, 164)  
}
```

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, 97, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 97, 164) }
```

Border

The CSS property to change the border of an element to XYZ 20.3356, 16.0550, 37.1491 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, 97, 164) }
```


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

```
.border{ border-color:rgb(131, 97, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 97, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 97, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 97, 164);  
box-shadow:4px 4px 4px 4px rgb(131, 97,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3356, 16.0550, 37.1491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 97, 164) }
```

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

```
.background{ background-color: rgb(131, 97,  
164) }
```

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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