

Converting Colors

XYZ(22.5015, 20.8280, 36.5548)

Have a look what the booklet for
XYZ(22.5015, 20.8280, 36.5548)
contains.

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Color

**XYZ(22.5096, 20.8314,
36.5527)**

Conversions

Conversions Part 1

Format	Color
Hex	8378A1
RGB	131, 120, 161
RGB Percent	51%, 47%, 63%
CMY	0.4863, 0.5294, 0.3686
CMYK	0.19, 0.25, 0.00, 0.37
HSL	256°, 18%, 55%
HSV	256°, 25%, 63%
XYZ	22.5096, 20.8314, 36.5527
YIQ	127.9630, -6.6050, 15.0830

Conversions

Conversions Part 2

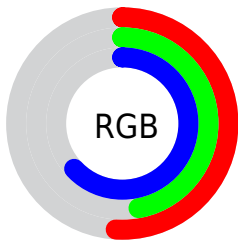
Format	Color
R_{YB}	131, 120, 161
Decimal	8616097
CIE _{Lab}	52.76, 12.95, -20.44
CIE _{LCh}	53, 24.197, 302.353
Yxy	20.8314, 0.2817, 0.2607
Android (android.graphics.Color)	4286806177 (0xFF8378A1)
YUV	127.9630, 16.2872, 2.6634
Hunter-Lab	45.6414, 8.1608, -15.5344

Details

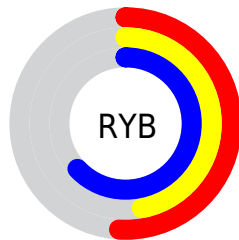
The XYZ color **22.5096, 20.8314, 36.5527** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.7132, 33.3303, 22.6901**, and the grayscale version is **20.4525, 21.5176, 23.4327**.

A 20% lighter version of the original color is **46.9144, 44.6533, 71.1120**, and **8.4710, 7.4882, 15.4669** is the 20% darker color. If you saturate the color by 10%, you get **19.0118, 16.3919, 35.8805**, and if you desaturate by 10%, it is **26.5418, 26.0307, 37.3441**.

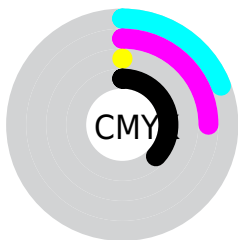
Distribution



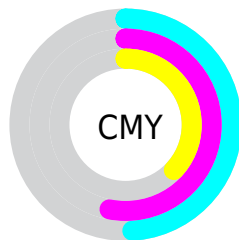
- Red (51%)
- Green (47%)
- Blue (63%)



- Red (51%)
- Yellow (47%)
- Blue (63%)



- Cyan (19%)
- Magenta (25%)
- Yellow (0%)
- Black (37%)



- Cyan (49%)
- Magenta (53%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5096, 20.8314, 36.5527 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 22.5096, 20.8314, 36.5527 by changing the saturation by 10% instead.

■ 22.5096, 20.8314,
36.5527

■ 22.5096, 20.8314,
36.5527

257.7787,
256.3811, 346.4801

■ 14.3505, 13.0008,
24.5683

■ 47.0594, 44.8068,
71.0629

■ 8.4482, 7.4291,
15.5396

■ 64.1809, 61.7203,
94.4258

■ 4.4373, 3.7319,
9.0482

■ 85.0205, 82.4304,
122.4186

■ 1.9524, 1.5247,
4.6754

109.9437,
107.3212, 155.4598

■ 0.6070, 0.3060,
2.0027

139.3157,
136.7774, 193.9681

■ 0.0000, 0.0000,
0.5569

173.5020,

■ 0.0000, 0.0000,

171.1831, 238.3618

0.0000

212.8679,
210.9229, 289.0596

■ 22.5096, 20.8314,
36.5527

■ 22.5096, 20.8314,
36.5527

■ 19.0118, 16.3919,
35.8805

■ 26.5418, 26.0307,
37.3441

■ 16.0232, 12.6735,
35.3203

■ 31.1281, 32.0210,
38.2586

■ 13.5195, 9.6380,
34.8663

■ 36.2897, 38.8346,
39.3017

■ 11.4735, 7.2425,
34.5118

■ 42.0460, 46.5015,
40.4782

■ 9.8551, 5.4390,
34.2490

■ 48.4154, 55.0500,
41.7925

■ 8.6304, 4.1728,
34.0691

■ 55.4157, 64.5072,
43.2490

■ 7.7568, 3.3733,
33.9608

■ 63.0638, 74.8989,
44.8517

■ 7.4376, 3.0911,
33.9232

■ 71.3761, 86.2501,
46.6046

■ 77.1270, 92.1023,
47.4311

Harmonies

Analogous

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



19.9994, 20.8314, 39.5798



22.5096, 20.8314, 36.5527



24.4133, 20.8314, 29.7556

Triad

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



22.5096, 20.8314, 36.5527



22.1361, 20.8314, 12.4699



15.3390, 20.8314, 23.2568

Complementary

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



22.5096, 20.8314, 36.5527



28.7132, 33.3303, 22.6901

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.



15.8072, 20.8314, 16.8287



22.5096, 20.8314, 36.5527



19.6012, 20.8314, 11.4431

Square

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



22.5096, 20.8314, 36.5527



24.1851, 20.8314, 16.0322



17.3164, 20.8314, 12.8564



15.9792, 20.8314, 30.9549

Rectangle

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



22.5096, 20.8314, 36.5527



25.0050, 20.8314, 24.5805



17.3164, 20.8314, 12.8564



15.3719, 20.8314, 20.8836

Sweetspot

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



22.5103, 20.8323, 36.5532



53.4418, 54.3227, 68.0552



25.0964, 28.4009, 37.8778



11.4570, 11.5689, 14.8728



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.5103, 20.8323, 36.5532



36.3700, 32.2864, 64.7015



25.9932, 22.6277, 36.7162



6.8705, 6.9476, 8.8820



5.9745, 2.4864, 27.0948



0.1679, 0.0741, 0.5713

Inverse Universe

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



26.9200, 23.2127, 31.9163



45.8206, 37.3939, 54.5029



25.2752, 31.5579, 22.5292



7.2828, 7.1696, 8.4758



14.3588, 7.0996, 14.3457



0.3197, 0.1564, 0.3962

Previews

White Background



This preview shows how the XYZ color 22.5096, 20.8314, 36.5527 looks on a white 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

Black Background



This preview shows how the XYZ color 22.5096, 20.8314, 36.5527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

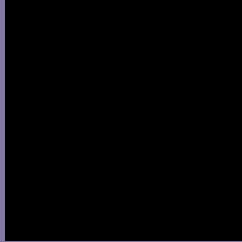
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5096, 20.8314, 36.5527

Background



This preview shows how black text looks on a background with the XYZ color 22.5096, 20.8314, 36.5527.



This preview shows how white text looks on a background with the XYZ color 22.5096, 20.8314,

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

22.5096, 20.8314, 36.5527

Protanopia

21.1047, 20.9924, 38.0616

Deuteranopia

21.2985, 20.9464, 36.1782



Tritanopia

20.3110, 20.8521, 25.8760

Trichromacy



Original Color

22.5096, 20.8314, 36.5527

Protanomaly

21.5790, 20.8752, 37.5423

Deuteranomaly

21.7403, 20.9891, 36.1632

Tritanomaly

21.0191, 20.7687, 29.2865

Monochromacy



Original Color

22.5096, 20.8314, 36.5527

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.1205, 21.2278, 27.7951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5096, 20.8314, 36.5527 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, 120, 161)` looks like.

```
.text, #text, p{  
    color:rgb(131, 120, 161)  
}
```

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, 120, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 120, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.5096, 20.8314, 36.5527 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, 120, 161) }
```


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

```
.border{ border-color:rgb(131, 120, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 120, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 120, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 120, 161);  
box-shadow:4px 4px 4px 4px rgb(131, 120,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5096, 20.8314, 36.5527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 120, 161) }
```

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

```
.background{ background-color: rgb(131,  
120, 161) }
```

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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