

Converting Colors

XYZ(20.5990, 19.9429, 31.6462)

Have a look what the booklet for
XYZ(20.5990, 19.9429, 31.6462)
contains.

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Color

**XYZ(20.5337, 19.9200,
31.6169)**

Conversions

Conversions Part 1

Format	Color
Hex	7C7896
RGB	124, 120, 150
RGB Percent	49%, 47%, 59%
CMY	0.5137, 0.5294, 0.4118
CMYK	0.17, 0.20, 0.00, 0.41
HSL	248°, 12%, 53%
HSV	248°, 20%, 59%
XYZ	20.5337, 19.9200, 31.6169
YIQ	124.6160, -7.2460, 10.1780

Conversions

Conversions Part 2

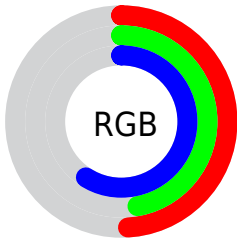
Format	Color
RYB	124, 120, 150
Decimal	8157334
CIELab	51.75, 8.01, -15.63
CIElCh	52, 17.565, 297.115
Yxy	19.9200, 0.2849, 0.2764
Android (android.graphics.Color)	4286347414 (0xFF7C7896)
YUV	124.6160, 12.5143, -0.5402
Hunter-Lab	44.6318, 4.0165, -10.7584

Details

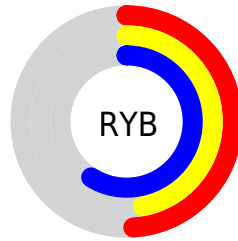
The XYZ color **20.5337, 19.9200, 31.6169** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.1511, 29.2802, 22.0434**, and the grayscale version is **19.3256, 20.3321, 22.1416**.

A 20% lighter version of the original color is **43.7831, 43.2118, 63.1598**, and **7.4711, 7.0314, 12.7678** is the 20% darker color. If you saturate the color by 10%, you get **17.1127, 15.6853, 30.9802**, and if you desaturate by 10%, it is **24.4863, 24.8493, 32.3603**.

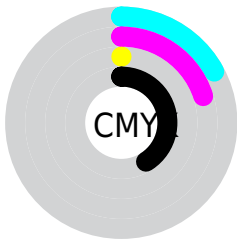
Distribution



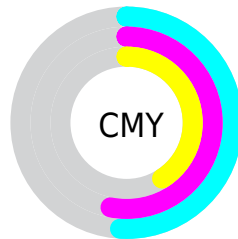
- Red (49%)
- Green (47%)
- Blue (59%)



- Red (49%)
- Yellow (47%)
- Blue (59%)



- Cyan (17%)
- Magenta (20%)
- Yellow (0%)
- Black (41%)



- Cyan (51%)
- Magenta (53%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5337, 19.9200, 31.6169 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 20.5337, 19.9200, 31.6169 by changing the saturation by 10% instead.

■ 20.5337, 19.9200,
31.6169

■ 20.5337, 19.9200,
31.6169

247.5688,
251.4817, 323.8092

■ 12.8941, 12.3369,
20.8067

■ 43.8073, 43.2830,
63.3009

■ 7.4322, 6.9736,
12.7929

■ 60.1721, 59.8317,
85.0118

■ 3.7825, 3.4456,
7.1570

■ 80.1759, 80.1378,
111.1933

■ 1.5799, 1.3685,
3.4806

104.1842,
104.5855, 142.2640

■ 0.3792, 0.1934,
1.3449

132.5622,
133.5594, 178.6424

■ 0.0000, 0.0000,
0.0982

165.6754,

■ 0.0000, 0.0000,

167.4438, 220.7470

0.0000

203.8892,
206.6231, 268.9964

■ 20.5337, 19.9200,
31.6169

■ 20.5337, 19.9200,
31.6169

■ 17.1127, 15.6853,
30.9802

■ 24.4863, 24.8493,
32.3603

■ 14.1986, 12.1115,
30.4439

■ 28.9900, 30.4999,
33.2136

■ 11.7677, 9.1658,
30.0035

■ 34.0655, 36.9001,
34.1815

■ 9.7936, 6.8117,
29.6531

■ 39.7321, 44.0762,
35.2680

■ 8.2472, 5.0088,
29.3866

■ 46.0079, 52.0528,
36.4768

■ 7.0961, 3.7115,
29.1969

■ 52.9105, 60.8538,
37.8118

■ 6.3031, 2.8671,
29.0757

■ 60.4566, 70.5018,
39.2763

■ 5.7936, 2.3508,
29.0029

■ 68.6623, 81.0188,
40.8738

■ 5.7935, 2.3507,
29.0029

■ 77.5422, 92.4236,
42.6071

Harmonies

Analogous

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



18.7619, 19.9200, 33.0034



20.5337, 19.9200, 31.6169



21.9499, 19.9200, 27.4479

Triad

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



20.5337, 19.9200, 31.6169



20.8497, 19.9200, 14.4664



15.7219, 19.9200, 21.2008

Complementary

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



20.5337, 19.9200, 31.6169



26.1511, 29.2802, 22.0434

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.



16.2067, 19.9200, 16.7987



20.5337, 19.9200, 31.6169



19.1058, 19.9200, 13.3111

Square

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



20.5337, 19.9200, 31.6169



22.1402, 19.9200, 17.5283



17.4184, 19.9200, 14.0937



16.0521, 19.9200, 26.4620

Rectangle

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



20.5337, 19.9200, 31.6169



22.4631, 19.9200, 23.9454



17.4184, 19.9200, 14.0937



15.7942, 19.9200, 19.5799

Sweetspot

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



20.5343, 19.9208, 31.6173



46.1790, 47.5685, 57.6690



23.6075, 26.9079, 32.8040



10.1355, 10.4185, 12.7616



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.



20.5343, 19.9208, 31.6173



33.4231, 31.6632, 55.2713



22.7863, 21.0817, 31.7227



5.5671, 5.6678, 7.2703



4.8220, 1.9584, 24.0549



0.0729, 0.0311, 0.2951

Inverse Universe

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



24.4830, 21.9930, 30.1494



41.7093, 36.0136, 52.1036



23.7348, 28.0346, 21.9304



6.0024, 5.8960, 7.1188



13.7820, 6.7179, 18.1309



0.1761, 0.0852, 0.2610

Previews

White Background



This preview shows how the XYZ color 20.5337, 19.9200, 31.6169 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 20.5337, 19.9200, 31.6169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

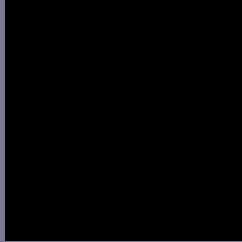
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5337, 19.9200, 31.6169

Background



This preview shows how black text looks on a background with the XYZ color 20.5337, 19.9200, 31.6169.



This preview shows how white text looks on a background with the XYZ color 20.5337, 19.9200,

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

20.5337, 19.9200, 31.6169

Protanopia

19.8816, 19.9353, 32.0782

Deuteranopia

20.3684, 20.0143, 31.6438



Tritanopia

19.2018, 19.9243, 25.0240

Trichromacy



Original Color

20.5337, 19.9200, 31.6169

Protanomaly

20.1690, 19.9022, 32.0566

Deuteranomaly

20.5108, 20.0877, 31.6504

Tritanomaly

19.6458, 19.9207, 27.2357

Monochromacy



Original Color

20.5337, 19.9200, 31.6169

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8435, 20.2471, 25.4165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5337, 19.9200, 31.6169 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(124, 120, 150)` looks like.

```
.text, #text, p{  
    color:rgb(124, 120, 150)  
}
```

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(124, 120, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 120, 150) }
```

Border

The CSS property to change the border of an element to XYZ 20.5337, 19.9200, 31.6169 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(124, 120, 150) }
```


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

```
.border{ border-color:rgb(124, 120, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 120, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 120, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 120, 150);  
box-shadow:4px 4px 4px 4px rgb(124, 120,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5337, 19.9200, 31.6169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 120, 150) }
```

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

```
.background{ background-color: rgb(124,  
120, 150) }
```

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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