

Converting Colors

XYZ(20.7851, 19.4872, 29.9802)

Have a look what the booklet for
XYZ(20.7851, 19.4872, 29.9802)
contains.

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Color

**XYZ(20.7555, 19.5437,
29.8725)**

Conversions

Conversions Part 1

Format	Color
Hex	827592
RGB	130, 117, 146
RGB Percent	51%, 46%, 57%
CMY	0.4902, 0.5412, 0.4274
CMYK	0.11, 0.20, 0.00, 0.43
HSL	267°, 12%, 52%
HSV	267°, 20%, 57%
XYZ	20.7555, 19.5437, 29.8725
YIQ	124.1930, -1.5610, 11.7750

Conversions

Conversions Part 2

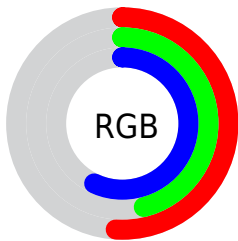
Format	Color
R_{YB}	130, 117, 146
Decimal	8549778
CIE _{Lab}	51.32, 10.93, -13.89
CIE _{LCh}	51, 17.679, 308.200
Yxy	19.5437, 0.2958, 0.2785
Android (android.graphics.Color)	4286739858 (0xFF827592)
YUV	124.1930, 10.7509, 5.0927
Hunter-Lab	44.2083, 6.4402, -9.1178

Details

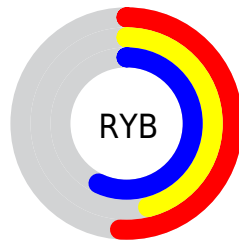
The XYZ color **20.7555, 19.5437, 29.8725** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.1633, 26.8292, 20.7882**, and the grayscale version is **19.1886, 20.1879, 21.9847**.

A 20% lighter version of the original color is **44.1417, 42.6133, 60.5423**, and **7.5019, 6.7879, 11.7413** is the 20% darker color. If you saturate the color by 10%, you get **17.9978, 15.7911, 29.2938**, and if you desaturate by 10%, it is **23.8765, 23.8785, 30.5450**.

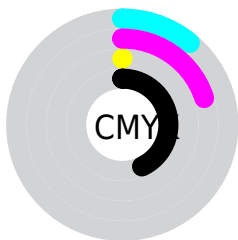
Distribution



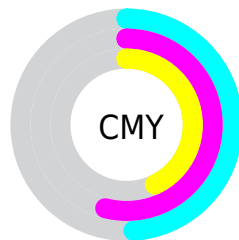
- Red (51%)
- Green (46%)
- Blue (57%)



- Red (51%)
- Yellow (46%)
- Blue (57%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (43%)



- Cyan (49%)
- Magenta (54%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7555, 19.5437, 29.8725 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 20.7555, 19.5437, 29.8725 by changing the saturation by 10% instead.

■ 20.7555, 19.5437,
29.8725

■ 20.7555, 19.5437,
29.8725

248.7326,
249.4341, 315.4985

■ 13.0568, 12.0638,
19.4906

■ 44.1746, 42.6508,
60.5191

■ 7.5450, 6.7871,
11.8449

■ 60.6258, 59.0468,
81.6209

■ 3.8545, 3.3293,
6.5169

■ 80.7251, 79.1837,
107.1331

■ 1.6202, 1.3060,
3.0880

104.8381,
103.4457, 137.4741

■ 0.4055, 0.1458,
1.1398

133.3299,
132.2174, 173.0627

■ 0.0000, 0.0000,
0.0000

166.5661,

165.8831, 214.3172

204.9119,
204.8272, 261.6563

■ 20.7555, 19.5437,
29.8725

■ 20.7555, 19.5437,
29.8725

■ 17.9978, 15.7911,
29.2938

■ 23.8765, 23.8785,
30.5450

■ 15.5871, 12.5925,
28.8035

■ 27.3726, 28.8171,
31.3140

■ 13.5085, 9.9212,
28.3974

■ 31.2573, 34.3828,
32.1835

■ 11.7452, 7.7470,
28.0707

■ 35.5426, 40.5973,
33.1572

■ 10.2788, 6.0367,
27.8179

■ 40.2405, 47.4808,
34.2382

■ 9.0885, 4.7529,
27.6328

■ 45.3619, 55.0530,
35.4299

■ 8.1507, 3.8519,
27.5083

■ 50.9176, 63.3326,
36.7352

■ 7.4076, 3.2227,
27.4260

■ 56.9179, 72.3375,
38.1571

■ 7.3979, 3.2144,
27.4250

■ 63.3729, 82.0851,
39.6983

Harmonies

Analogous

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



19.0642, 19.5437, 32.4281



20.7555, 19.5437, 29.8725



21.9099, 19.5437, 25.0990

Triad

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



20.7555, 19.5437, 29.8725



19.8653, 19.5437, 13.4679



15.4137, 19.5437, 22.6971

Complementary

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



20.7555, 19.5437, 29.8725



23.1633, 26.8292, 20.7882

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.



15.5982, 19.5437, 17.8691



20.7555, 19.5437, 29.8725



18.0956, 19.5437, 13.0334

Square

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



20.7555, 19.5437, 29.8725



21.3737, 19.5437, 15.8150



16.5541, 19.5437, 14.5164



16.0332, 19.5437, 27.8773

Rectangle

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



20.7555, 19.5437, 29.8725



22.1802, 19.5437, 21.5866



16.5541, 19.5437, 14.5164



15.3845, 19.5437, 20.9758

Sweetspot

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



20.7561, 19.5445, 29.8729



44.3483, 45.2553, 54.3713



20.9721, 22.7519, 30.4806



9.7904, 9.9614, 12.0789



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.7561, 19.5445, 29.8729



34.2878, 31.2919, 52.2063



23.0634, 20.7340, 29.9809



5.7316, 5.7526, 7.2780



6.5351, 2.8415, 24.1351



0.1131, 0.0519, 0.2970

Inverse Universe

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



22.4496, 20.5278, 24.9702



37.9015, 33.3914, 41.6888



21.0890, 25.7598, 20.6911



5.9266, 5.8657, 6.7199



11.7353, 5.8992, 7.3531



0.1585, 0.0782, 0.1683

Previews

White Background



This preview shows how the XYZ color 20.7555, 19.5437, 29.8725 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 20.7555, 19.5437, 29.8725 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 20.7555, 19.5437, 29.8725

Background



This preview shows how black text looks on a background with the XYZ color 20.7555, 19.5437, 29.8725.



This preview shows how white text looks on a background with the XYZ color 20.7555, 19.5437,

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

20.7555, 19.5437, 29.8725

Protanopia

19.4646, 19.5577, 31.1829

Deuteranopia

20.0732, 19.7192, 29.9423



Tritanopia

19.4313, 19.5299, 23.5144

Trichromacy



Original Color

20.7555, 19.5437, 29.8725

Protanomaly

19.9469, 19.6360, 30.7558

Deuteranomaly

20.3893, 19.7046, 29.9229

Tritanomaly

19.8721, 19.5321, 25.6444

Monochromacy



Original Color

20.7555, 19.5437, 29.8725

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.6064, 19.7763, 24.6136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7555, 19.5437, 29.8725 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(130, 117, 146)` looks like.

```
.text, #text, p{  
    color:rgb(130, 117, 146)  
}
```

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(130, 117, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 117, 146) }
```

Border

The CSS property to change the border of an element to XYZ 20.7555, 19.5437, 29.8725 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(130, 117, 146) }
```


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

```
.border{ border-color:rgb(130, 117, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 117, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 117, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 117, 146);  
box-shadow:4px 4px 4px 4px rgb(130, 117,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7555, 19.5437, 29.8725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 117, 146) }
```

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

```
.background{ background-color: rgb(130,  
117, 146) }
```

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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