

Converting Colors

XYZ(20.7417, 19.9652, 31.5081)

Have a look what the booklet for
XYZ(20.7417, 19.9652, 31.5081)
contains.

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Color

**XYZ(20.8257, 20.0706,
31.6305)**

Conversions

Conversions Part 1

Format	Color
Hex	7E7896
RGB	126, 120, 150
RGB Percent	49%, 47%, 59%
CMY	0.5059, 0.5294, 0.4118
CMYK	0.16, 0.20, 0.00, 0.41
HSL	252°, 12%, 53%
HSV	252°, 20%, 59%
XYZ	20.8257, 20.0706, 31.6305
YIQ	125.2140, -6.0540, 10.6020

Conversions

Conversions Part 2

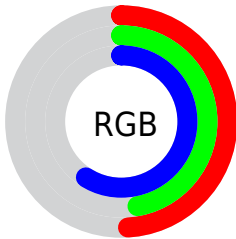
Format	Color
R_{YB}	126, 120, 150
Decimal	8288406
CIE _{Lab}	51.92, 8.69, -15.36
CIE _{LCh}	52, 17.646, 299.492
Y _{xy}	20.0706, 0.2871, 0.2767
Android (android.graphics.Color)	4286478486 (0xFF7E7896)
YUV	125.2140, 12.2195, 0.6893
Hunter-Lab	44.8002, 4.5766, -10.5006

Details

The XYZ color **20.8257, 20.0706, 31.6305** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.7987, 29.0985, 22.0271**, and the grayscale version is **19.5272, 20.5441, 22.3725**.

A 20% lighter version of the original color is **44.2420, 43.4484, 63.1813**, and **7.6301, 7.1134, 12.7752** is the 20% darker color. If you saturate the color by 10%, you get **17.4965, 15.8833, 30.9980**, and if you desaturate by 10%, it is **24.6511, 24.9343, 32.3680**.

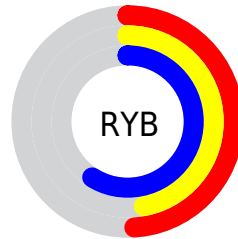
Distribution



Red (49%)

Green (47%)

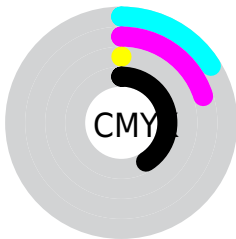
Blue (59%)



Red (49%)

Yellow (47%)

Blue (59%)

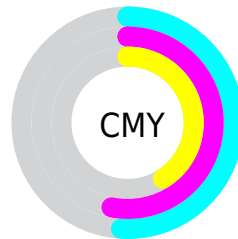


Cyan (16%)

Magenta (20%)

Yellow (0%)

Black (41%)



Cyan (51%)

Magenta (53%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8257, 20.0706, 31.6305 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 20.8257, 20.0706, 31.6305 by changing the saturation by 10% instead.

■ 20.8257, 20.0706,
31.6305

■ 20.8257, 20.0706,
31.6305

249.1000,
252.2971, 323.8733

■ 13.1084, 12.4464,
20.8169

■ 44.2907, 43.5355,
63.3225

■ 7.5807, 7.0484,
12.8003

■ 60.7692, 60.1450,
85.0381

■ 3.8774, 3.4924,
7.1621

■ 80.8987, 80.5184,
111.2248

■ 1.6330, 1.3939,
3.4837

105.0447,
105.0400, 142.3011

■ 0.4138, 0.2122,
1.3466

133.5724,
134.0943, 178.6855

■ 0.0000, 0.0000,
0.0995

166.8473,

■ 0.0000, 0.0000,

168.0656, 220.7967

0.0000

205.2347,
207.3384, 269.0531

■ 20.8257, 20.0706,
31.6305

■ 20.8257, 20.0706,
31.6305

■ 17.4965, 15.8833,
30.9980

■ 24.6511, 24.9343,
32.3680

■ 14.6410, 12.3397,
30.4646

■ 28.9901, 30.5000,
33.2136

■ 12.2378, 9.4082,
30.0254

■ 33.8617, 36.7951,
34.1719

■ 10.2629, 7.0537,
29.6750

■ 39.2833, 43.8449,
35.2469

■ 8.6903, 5.2372,
29.4073

■ 45.2716, 51.6733,
36.4423

■ 7.4907, 3.9149,
29.2153

■ 51.8424, 60.3033,
37.7618

■ 6.6307, 3.0360,
29.0910

■ 59.0110, 69.7567,
39.2086

■ 6.0405, 2.4781,
29.0144

■ 66.7921, 80.0547,
40.7862

■ 6.0404, 2.4780,
29.0144

■ 75.1988, 91.2155,
42.4974

Harmonies

Analogous

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



19.0459, 20.0706, 33.2964



20.8257, 20.0706, 31.6305



22.2057, 20.0706, 27.2626

Triad

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



20.8257, 20.0706, 31.6305



20.8820, 20.0706, 14.3988



15.8306, 20.0706, 21.7659

Complementary

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



20.8257, 20.0706, 31.6305



25.7987, 29.0985, 22.0271

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.



16.2560, 20.0706, 17.2118



20.8257, 20.0706, 31.6305



19.1071, 20.0706, 13.3880

Square

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



20.8257, 20.0706, 31.6305



22.2396, 20.0706, 17.3416



17.4281, 20.0706, 14.3325



16.2285, 20.0706, 27.0870

Rectangle

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



20.8257, 20.0706, 31.6305



22.6734, 20.0706, 23.7053



17.4281, 20.0706, 14.3325



15.8817, 20.0706, 20.1007

Sweetspot

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



20.8263, 20.0714, 31.6309



46.3649, 47.6643, 57.6777



23.3005, 26.2940, 32.7016



10.1803, 10.4416, 12.7637



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.



20.8263, 20.0714, 31.6309



34.0183, 31.9700, 55.2991



23.1218, 21.2548, 31.7384



5.6014, 5.6855, 7.2719



5.0320, 2.0667, 24.0647



0.0814, 0.0355, 0.2955

Inverse Universe

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



24.3288, 21.9314, 29.3373



41.3795, 35.8817, 50.3670



23.4265, 27.8756, 21.9161



5.9861, 5.8895, 7.0331



13.2551, 6.5071, 15.3561



0.1724, 0.0837, 0.2414

Previews

White Background



This preview shows how the XYZ color 20.8257, 20.0706, 31.6305 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 20.8257, 20.0706, 31.6305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

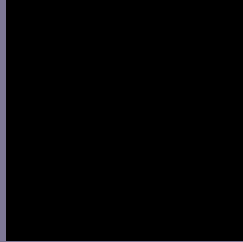
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8257, 20.0706, 31.6305

Background



This preview shows how black text looks on a background with the XYZ color 20.8257, 20.0706, 31.6305.



This preview shows how white text looks on a background with the XYZ color 20.8257, 20.0706,

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

20.8257, 20.0706, 31.6305

Protanopia

20.0866, 20.2148, 32.5489

Deuteranopia

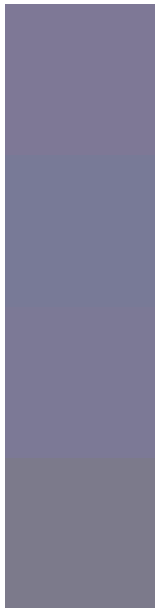
20.5108, 20.0877, 31.6504



Tritanopia

19.4850, 20.0703, 25.0373

Trichromacy



Original Color

20.8257, 20.0706, 31.6305

Protanomaly

20.2912, 20.1465, 32.0974

Deuteranomaly

20.6546, 20.1618, 31.6572

Tritanomaly

19.9319, 20.0682, 27.2491

Monochromacy



Original Color

20.8257, 20.0706, 31.6305

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 20.8257, 20.0706, 31.6305 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(126, 120, 150)` looks like.

```
.text, #text, p{  
    color:rgb(126, 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(126, 120, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 120, 150) }
```

Border

The CSS property to change the border of an element to XYZ 20.8257, 20.0706, 31.6305 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(126, 120, 150) }
```


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

```
.border{ border-color:rgb(126, 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(126, 120, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 120, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 120, 150);  
box-shadow:4px 4px 4px 4px rgb(126, 120,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8257, 20.0706, 31.6305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 120, 150) }
```

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

```
.background{ background-color: rgb(126,  
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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