

Converting Colors

XYZ(20.7808, 32.0263, 6.2488)

Have a look what the booklet for
XYZ(20.7808, 32.0263, 6.2488)
contains.

XYZ(20.7808, 32.0263, 6.2488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.7808, 32.0263,
6.2488)**

Conversions

Conversions Part 1

Format	Color
Hex	6CAA1D
RGB	108, 170, 29
RGB Percent	42%, 67%, 11%
CMY	0.5765, 0.3333, 0.8862
CMYK	0.36, 0.00, 0.83, 0.33
HSL	86°, 71%, 39%
HSV	86°, 83%, 67%
XYZ	20.7808, 32.0263, 6.2488
YIQ	135.3880, 8.3090, -56.9950

Conversions

Conversions Part 2

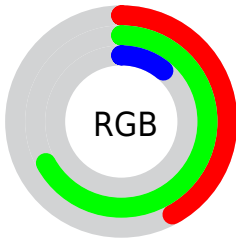
Format	Color
RYB	29, 170, 91
Decimal	7121437
CIELab	63.36, -40.87, 59.69
CIELCh	63, 72.343, 124.401
Yxy	32.0263, 0.3519, 0.5423
Android (android.graphics.Color)	4285311517 (0xFF6CAA1D)
YUV	135.3880, -52.4493, -24.0193
Hunter-Lab	56.5918, -33.4895, 33.0675

Details

The XYZ color **20.7808, 32.0263, 6.2488** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **12.0111, 6.0062, 38.5583**, and the grayscale version is **23.3613, 24.5779, 26.7653**.

A 20% lighter version of the original color is **44.2676, 62.9898, 19.0576**, and **7.7265, 13.4264, 2.1843** is the 20% darker color. If you saturate the color by 10%, you get **19.7554, 31.5167, 5.3901**, and if you desaturate by 10%, it is **22.0016, 32.6253, 7.7232**.

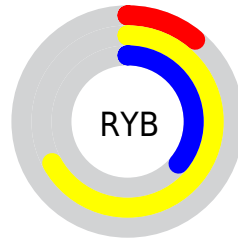
Distribution



Red (42%)

Green (67%)

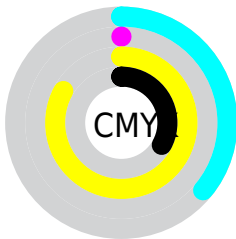
Blue (11%)



Red (11%)

Yellow (67%)

Blue (36%)

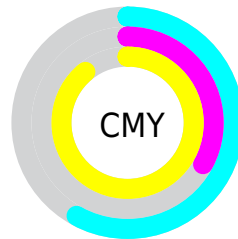


Cyan (36%)

Magenta (0%)

Yellow (83%)

Black (33%)



Cyan (58%)


Magenta (33%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7808, 32.0263, 6.2488 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 20.7808, 32.0263, 6.2488 by changing the saturation by 10% instead.


 20.7808, 32.0263,
6.2488

 20.7808, 32.0263,
6.2488


248.8651,
311.2390, 170.6540


 13.0754, 21.3816,
2.9257


 44.2165, 62.8523,
18.9317


 7.5579, 13.4032,
1.0568


 60.6775, 83.8024,
29.1285


 3.8628, 7.7068,
0.0000


 80.7877, 108.9564,
42.4538

 1.6248, 3.9079,
0.0000

 104.9126,
138.6987, 59.3259

 0.4085, 1.6222,
0.0000

 133.4174,
173.4138, 80.1634

 0.0000, 0.3725,
0.0000

 166.6675,

 0.0000, 0.0000,

213.4859, 105.3849

0.0000

205.0283,
259.2995, 135.4089

■ 20.7808, 32.0263,
6.2488

■ 20.7808, 32.0263,
6.2488

■ 19.7554, 31.5167,
5.3901

■ 22.0016, 32.6253,
7.7232

■ 19.1201, 31.1968,
5.0139

■ 23.4343, 33.3172,
9.8995

■ 25.0953, 34.1099,
12.8521

■ 26.9987, 35.0091,
16.6457

■ 29.1572, 36.0202,
21.3380

■ 31.5824, 37.1480,
26.9816

■ 34.2850, 38.3971,
33.6252

■ 37.2753, 39.7715,
41.3140

■ 40.5629, 41.2755,
50.0905

Harmonies

Analogous

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



28.9819, 32.0263, 3.6872



20.7808, 32.0263, 6.2488



16.1342, 32.0263, 16.0176

Triad

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



20.7808, 32.0263, 6.2488



22.8352, 32.0263, 112.3118



54.0403, 32.0263, 30.7966

Complementary

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



20.7808, 32.0263, 6.2488



12.0111, 6.0062, 38.5583

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.



51.3891, 32.0263, 64.6420



20.7808, 32.0263, 6.2488



31.9463, 32.0263, 124.1918

Square

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



20.7808, 32.0263, 6.2488



17.1244, 32.0263, 76.3826



42.7066, 32.0263, 103.3069



49.3163, 32.0263, 12.0275

Rectangle

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



20.7808, 32.0263, 6.2488



14.9816, 32.0263, 29.7489



42.7066, 32.0263, 103.3069



53.9887, 32.0263, 40.5501

Sweetspot

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



20.7815, 32.0277, 6.2495



56.1466, 66.8628, 46.2096



20.4653, 15.9653, 3.1658



12.1831, 14.7537, 9.5153



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.7815, 32.0277, 6.2495



34.4356, 56.4696, 9.0848



15.4117, 29.2594, 5.9982



7.8236, 8.6072, 8.0383



14.1292, 22.9811, 3.6911



0.4010, 0.5887, 0.0925

Inverse Universe

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



12.0111, 6.0062, 38.5583



18.1544, 7.8381, 69.5580



22.3138, 11.3175, 39.0405



7.4331, 7.4559, 9.4657



7.5200, 3.2601, 28.2084



0.2422, 0.1098, 0.6891

Previews

White Background



This preview shows how the XYZ color 20.7808, 32.0263, 6.2488 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.7808, 32.0263, 6.2488 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 ✓ Pass

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

XYZ 20.7808, 32.0263, 6.2488

Background



This preview shows how black text looks on a background with the XYZ color 20.7808, 32.0263, 6.2488.



This preview shows how white text looks on a background with the XYZ color 20.7808, 32.0263,

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

20.7808, 32.0263, 6.2488

Protanopia

28.5694, 31.6191, 5.4615

Deuteranopia

32.2997, 31.6317, 6.6886



Tritanopia

28.1817, 31.8296, 43.1865

Trichromacy



Original Color

20.7808, 32.0263, 6.2488

Protanomaly

24.9790, 31.2604, 5.6946

Deuteranomaly

26.6034, 30.8282, 6.3820

Tritanomaly

23.8579, 31.0945, 22.1972

Monochromacy



Original Color

20.7808, 32.0263, 6.2488

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.1587, 26.3843, 15.0438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7808, 32.0263, 6.2488 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(108, 170, 29)` looks like.

```
.text, #text, p{  
    color:rgb(108, 170, 29)  
}
```

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(108, 170, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 170, 29) }
```

Border

The CSS property to change the border of an element to XYZ 20.7808, 32.0263, 6.2488 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(108, 170, 29) }
```


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

```
.border{ border-color:rgb(108, 170, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 170, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 170, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 170, 29);  
box-shadow:4px 4px 4px 4px rgb(108, 170,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7808, 32.0263, 6.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 170, 29) }
```

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

```
.background{ background-color: rgb(108,  
170, 29) }
```

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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