

Converting Colors

XYZ(20.7785, 24.3577, 18.8049)

Have a look what the booklet for
XYZ(20.7785, 24.3577, 18.8049)
contains.

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Color

**XYZ(20.7602, 24.2860,
18.9227)**

Conversions

Conversions Part 1

Format	Color
Hex	7D8C70
RGB	125, 140, 112
RGB Percent	49%, 55%, 44%
CMY	0.5098, 0.4510, 0.5608
CMYK	0.11, 0.00, 0.20, 0.45
HSL	92°, 11%, 49%
HSV	92°, 20%, 55%
XYZ	20.7602, 24.2860, 18.9227
YIQ	132.3230, 0.0480, -11.8880

Conversions

Conversions Part 2

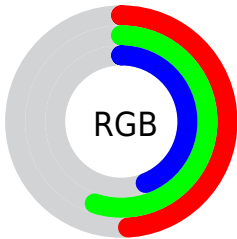
Format	Color
RYB	112, 140, 127
Decimal	8227952
CIELab	56.37, -10.84, 13.17
CIELCh	56, 17.056, 129.446
Yxy	24.2860, 0.3245, 0.3797
Android (android.graphics.Color)	4286418032 (0xFF7D8C70)
YUV	132.3230, -10.0192, -6.4223
Hunter-Lab	49.2808, -11.0460, 11.7306

Details

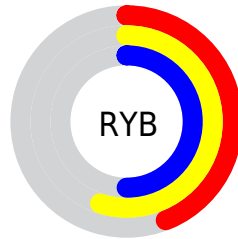
The XYZ color **20.7602, 24.2860, 18.9227** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.2811, 17.9944, 27.2693**, and the grayscale version is **22.0844, 23.2345, 25.3024**.

A 20% lighter version of the original color is **44.3527, 50.7289, 42.5760**, and **7.5621, 9.2190, 6.2314** is the 20% darker color. If you saturate the color by 10%, you get **18.9867, 23.4556, 15.0822**, and if you desaturate by 10%, it is **22.7389, 25.2096, 23.4066**.

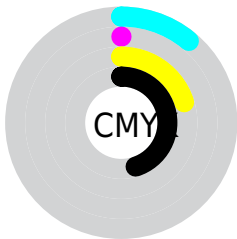
Distribution



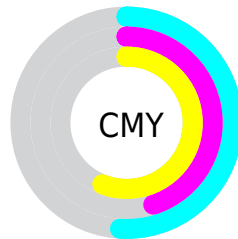
- Red (49%)
- Green (55%)
- Blue (44%)



- Red (44%)
- Yellow (55%)
- Blue (50%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (45%)



- Cyan (51%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7602, 24.2860, 18.9227 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 20.7602, 24.2860, 18.9227 by changing the saturation by 10% instead.

■ 20.7602, 24.2860,
18.9227

■ 20.7602, 24.2860,
18.9227

248.7572,
274.2632, 258.4302

■ 13.0603, 15.5459,
11.4382

■ 44.1824, 50.4965,
42.4384

■ 7.5474, 9.2034,
6.2445

■ 60.6354, 68.7357,
59.3067

■ 3.8561, 4.8741,
2.9231

■ 80.7368, 90.9101,
80.1399

■ 1.6210, 2.1736,
1.0555

■ 104.8519,
117.4040, 105.3567

■ 0.4061, 0.7055,
0.0000

133.3462,
148.6019, 135.3756

■ 0.0000, 0.0000,
0.0000

166.5849,

184.8881, 170.6151

204.9335,
226.6471, 211.4938

■ 20.7602, 24.2860,
18.9227

■ 20.7602, 24.2860,
18.9227

■ 18.9867, 23.4556,
15.0822

■ 22.7389, 25.2096,
23.4066

■ 17.4091, 22.7122,
11.8539

■ 24.9280, 26.2263,
28.5600

■ 16.0202, 22.0533,
9.2067

■ 27.3346, 27.3400,
34.4092

■ 14.8115, 21.4754,
7.1059

■ 29.9650, 28.5533,
40.9790

■ 13.7735, 20.9745,
5.5130

■ 32.8254, 29.8690,
48.2927

■ 12.8961, 20.5463,
4.3847

■ 35.9215, 31.2895,
56.3726

■ 12.1674, 20.1857,
3.6704

■ 39.2589, 32.8171,
65.2402

■ 11.5582, 19.8808,
3.2282

■ 42.8429, 34.4543,
74.9160

■ 46.6789, 36.2033,
85.4198

Harmonies

Analogous

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



22.4673, 24.2860, 17.1246



20.7602, 24.2860, 18.9227



19.7164, 24.2860, 22.8162

Triad

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



20.7602, 24.2860, 18.9227



21.7792, 24.2860, 37.9510



27.0229, 24.2860, 24.7034

Complementary

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



20.7602, 24.2860, 18.9227



19.2811, 17.9944, 27.2693

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.



26.8128, 24.2860, 30.4359



20.7602, 24.2860, 18.9227



23.7101, 24.2860, 38.6464

Square

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



20.7602, 24.2860, 18.9227



20.2811, 24.2860, 33.9481



25.5731, 24.2860, 35.7316



26.1320, 24.2860, 20.1351

Rectangle

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



20.7602, 24.2860, 18.9227



19.5004, 24.2860, 26.3386



25.5731, 24.2860, 35.7316



27.0798, 24.2860, 26.5483

Sweetspot

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



20.7608, 24.2871, 18.9232



41.5383, 45.1181, 44.6424



21.3215, 21.9077, 18.4344



9.5228, 10.3737, 10.1729



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.7608, 24.2871, 18.9232



35.1478, 42.1373, 30.1733



19.0378, 23.3927, 19.1153



5.1781, 5.7146, 5.3825



10.2919, 17.6757, 2.8693



0.0850, 0.1260, 0.0198

Inverse Universe

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



19.2811, 17.9944, 27.2693



32.0498, 28.9644, 47.6445



21.2754, 19.0305, 27.0048



5.0137, 5.0155, 6.3097



6.8076, 3.0236, 22.2705



0.0621, 0.0288, 0.1487

Previews

White Background



This preview shows how the XYZ color 20.7602, 24.2860, 18.9227 looks on a white background.

Color Contrast Check

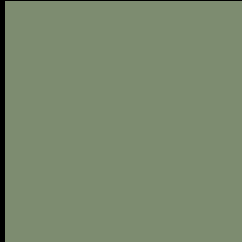
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7602, 24.2860, 18.9227 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

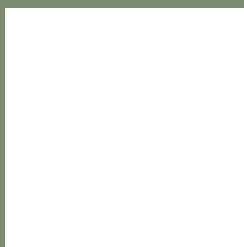
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7602, 24.2860, 18.9227

Background



This preview shows how black text looks on a background with the XYZ color 20.7602, 24.2860, 18.9227.



This preview shows how white text looks on a background with the XYZ color 20.7602, 24.2860,

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

20.7602, 24.2860, 18.9227

Protanopia

22.7520, 24.2717, 17.9537

Deuteranopia

24.5375, 24.1487, 19.2875



Tritanopia

23.0582, 24.1491, 30.6401

Trichromacy



Original Color

20.7602, 24.2860, 18.9227

Protanomaly

21.9135, 24.2513, 18.2779

Deuteranomaly

23.0073, 24.1717, 19.0758

Tritanomaly

22.1508, 24.2017, 26.0582

Monochromacy



Original Color

20.7602, 24.2860, 18.9227

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.4189, 23.4757, 22.8044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7602, 24.2860, 18.9227 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(125, 140, 112)` looks like.

```
.text, #text, p{  
    color:rgb(125, 140, 112)  
}
```

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(125, 140, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 140, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.7602, 24.2860, 18.9227 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(125, 140, 112) }
```


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

```
.border{ border-color:rgb(125, 140, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 140, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 140, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 140, 112);  
box-shadow:4px 4px 4px 4px rgb(125, 140,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7602, 24.2860, 18.9227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 140, 112) }
```

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

```
.background{ background-color: rgb(125,  
140, 112) }
```

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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