

Converting Colors

XYZ(20.3373, 24.9981, 20.3234)

Have a look what the booklet for
XYZ(20.3373, 24.9981, 20.3234)
contains.

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Color

**XYZ(20.3281, 24.9205,
20.2617)**

Conversions

Conversions Part 1

Format	Color
Hex	749074
RGB	116, 144, 116
RGB Percent	45%, 56%, 45%
CMY	0.5451, 0.4353, 0.5451
CMYK	0.19, 0.00, 0.19, 0.44
HSL	120°, 11%, 51%
HSV	120°, 19%, 56%
XYZ	20.3281, 24.9205, 20.2617
YIQ	132.4360, -7.7000, -14.6440

Conversions

Conversions Part 2

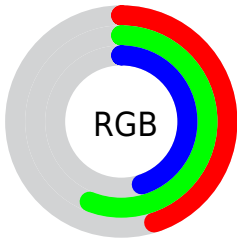
Format	Color
RYB	116, 144, 144
Decimal	7639156
CIELab	57.00, -15.63, 11.68
CIELCh	57, 19.512, 143.247
Yxy	24.9205, 0.3103, 0.3804
Android (android.graphics.Color)	4285829236 (0xFF749074)
YUV	132.4360, -8.1029, -14.4144
Hunter-Lab	49.9204, -14.6738, 10.8797

Details

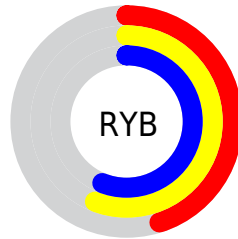
The XYZ color **20.3281, 24.9205, 20.2617** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.7819, 20.4342, 29.1302**, and the grayscale version is **22.1206, 23.2726, 25.3438**.

A 20% lighter version of the original color is **43.4104, 51.5402, 44.7061**, and **7.3608, 9.6161, 6.9370** is the 20% darker color. If you saturate the color by 10%, you get **17.7866, 23.7004, 16.1041**, and if you desaturate by 10%, it is **23.2976, 26.3476, 25.1183**.

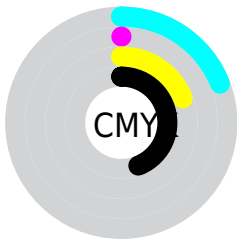
Distribution



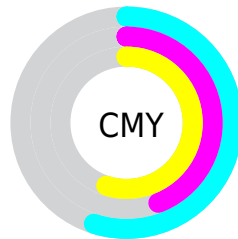
- Red (45%)
- Green (56%)
- Blue (45%)



- Red (45%)
- Yellow (56%)
- Blue (56%)



- Cyan (19%)
- Magenta (0%)
- Yellow (19%)
- Black (44%)



- Cyan (55%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3281, 24.9205, 20.2617 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 20.3281, 24.9205, 20.2617 by changing the saturation by 10% instead.

■ 20.3281, 24.9205,
20.2617

■ 20.3281, 24.9205,
20.2617

246.4857,
277.4418, 265.9793

■ 12.7434, 16.0178,
12.3995

■ 43.4663, 51.5282,
44.7202

■ 7.3279, 9.5368,
6.8905

■ 59.7506, 70.0021,
62.1536

■ 3.7161, 5.0929,
3.3163

■ 79.6655, 92.4351,
83.6144

■ 1.5428, 2.3019,
1.2583

■ 103.5762,
119.2117, 109.5212

■ 0.3547, 0.7747,
0.0273

131.8483,
150.7163, 140.2926

■ 0.0000, 0.0000,
0.0000

164.8470,

187.3332, 176.3470

202.9376,
229.4469, 218.1031

■ 20.3281, 24.9205,
20.2617

■ 20.3281, 24.9205,
20.2617

■ 17.7866, 23.7004,
16.1041

■ 23.2976, 26.3476,
25.1183

■ 15.6515, 22.6748,
12.6117

■ 26.7114, 27.9874,
30.7021

■ 13.9023, 21.8346,
9.7505

■ 30.5874, 29.8493,
37.0420

■ 12.5160, 21.1687,
7.4830

■ 34.9420, 31.9410,
44.1646

■ 11.4671, 20.6648,
5.7673

■ 39.7907, 34.2701,
52.0955

■ 10.7268, 20.3093,
4.5564

■ 45.1483, 36.8437,
60.8588

■ 10.2617, 20.0858,
3.7956

■ 51.0291, 39.6685,
70.4779

■ 9.9881, 19.9544,
3.3481

■ 57.4468, 42.7513,
80.9750

■ 9.9738, 19.9475,
3.3247

■ 64.4144, 46.0982,
92.3717

Harmonies

Analogous

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



21.9892, 24.9205, 17.1121



20.3281, 24.9205, 20.2617



19.5742, 24.9205, 25.6771

Triad

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



20.3281, 24.9205, 20.2617



23.1718, 24.9205, 41.6950



27.9700, 24.9205, 22.4517

Complementary

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



20.3281, 24.9205, 20.2617



22.7819, 20.4342, 29.1302

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.



28.3371, 24.9205, 28.6454



20.3281, 24.9205, 20.2617



25.4683, 24.9205, 40.4596

Square

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



20.3281, 24.9205, 20.2617



21.1461, 24.9205, 38.5536



27.3951, 24.9205, 35.4077



26.4219, 24.9205, 18.2268

Rectangle

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



20.3281, 24.9205, 20.2617



19.6506, 24.9205, 30.1300



27.3951, 24.9205, 35.4077



28.2396, 24.9205, 24.3438

Sweetspot

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



20.3288, 24.9216, 20.2622



43.0015, 47.3872, 47.4280



24.6284, 27.1381, 20.4633



9.7853, 10.8305, 10.7521



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.



20.3288, 24.9216, 20.2622



33.9598, 43.0441, 32.6388



21.2057, 25.2723, 24.8802



5.3429, 6.0294, 5.7716



8.6849, 17.3698, 2.8950



0.0830, 0.1661, 0.0277

Inverse Universe

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



22.7819, 20.4342, 29.1302



39.0379, 33.7552, 50.9955



21.7771, 20.0323, 23.8386



5.6263, 5.5110, 6.7959



14.3994, 6.9168, 23.5524



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 20.3281, 24.9205, 20.2617 looks on a white background.

Color Contrast Check

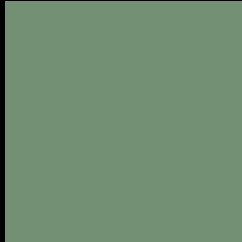
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3281, 24.9205, 20.2617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

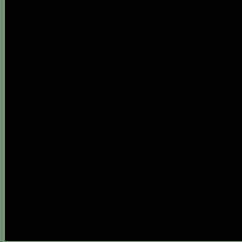
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3281, 24.9205, 20.2617

Background



This preview shows how black text looks on a background with the XYZ color 20.3281, 24.9205, 20.2617.



This preview shows how white text looks on a background with the XYZ color 20.3281, 24.9205,

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

20.3281, 24.9205, 20.2617

Protanopia

23.2304, 24.7075, 18.8739

Deuteranopia

25.1564, 24.6324, 20.8814



Tritanopia

22.7637, 24.8048, 32.4422

Trichromacy



Original Color

20.3281, 24.9205, 20.2617

Protanomaly

22.0448, 24.7258, 19.2335

Deuteranomaly

23.0587, 24.5790, 20.6684

Tritanomaly

21.8581, 24.8778, 27.6946

Monochromacy



Original Color

20.3281, 24.9205, 20.2617

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.1742, 23.5503, 23.1683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3281, 24.9205, 20.2617 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(116, 144, 116)` looks like.

```
.text, #text, p{  
    color:rgb(116, 144, 116)  
}
```

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(116, 144, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 144, 116) }
```

Border

The CSS property to change the border of an element to XYZ 20.3281, 24.9205, 20.2617 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(116, 144, 116) }
```


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

```
.border{ border-color:rgb(116, 144, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 144, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 144, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 144, 116);  
box-shadow:4px 4px 4px 4px rgb(116, 144,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3281, 24.9205, 20.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 144, 116) }
```

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

```
.background{ background-color: rgb(116,  
144, 116) }
```

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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