

Converting Colors

XYZ(20.0732, 24.7854, 15.7351)

Have a look what the booklet for
XYZ(20.0732, 24.7854, 15.7351)
contains.

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Color

**XYZ(20.1587, 24.9316,
15.8064)**

Conversions

Conversions Part 1

Format	Color
Hex	799064
RGB	121, 144, 100
RGB Percent	47%, 56%, 39%
CMY	0.5255, 0.4353, 0.6078
CMYK	0.16, 0.00, 0.31, 0.44
HSL	91°, 18%, 48%
HSV	91°, 31%, 56%
XYZ	20.1587, 24.9316, 15.8064
YIQ	132.1070, 0.4160, -18.5600

Conversions

Conversions Part 2

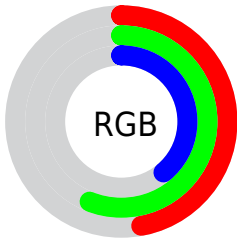
Format	Color
RYB	100, 144, 123
Decimal	7966820
CIELab	57.01, -16.51, 20.76
CIELCh	57, 26.530, 128.493
Yxy	24.9316, 0.3310, 0.4094
Android (android.graphics.Color)	4286156900 (0xFF799064)
YUV	132.1070, -15.8288, -9.7408
Hunter-Lab	49.9316, -15.3150, 16.1832

Details

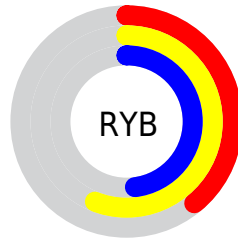
The XYZ color **20.1587, 24.9316, 15.8064** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.7606, 15.3396, 28.4117**, and the grayscale version is **22.0265, 23.1736, 25.2361**.

A 20% lighter version of the original color is **43.2356, 51.6212, 36.9633**, and **7.3178, 9.6402, 4.8432** is the 20% darker color. If you saturate the color by 10%, you get **18.5085, 24.1552, 12.4070**, and if you desaturate by 10%, it is **22.0158, 25.8019, 19.8597**.

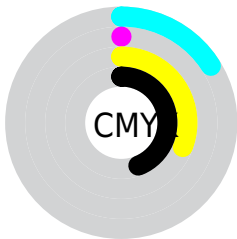
Distribution



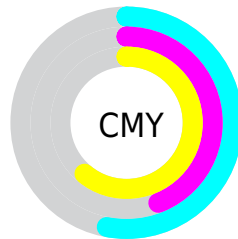
- Red (47%)
- Green (56%)
- Blue (39%)



- Red (39%)
- Yellow (56%)
- Blue (48%)



- Cyan (16%)
- Magenta (0%)
- Yellow (31%)
- Black (44%)



- Cyan (53%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1587, 24.9316, 15.8064 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 20.1587, 24.9316, 15.8064 by changing the saturation by 10% instead.

■ 20.1587, 24.9316,
15.8064

■ 20.1587, 24.9316,
15.8064

245.5902,
277.4971, 240.0032

■ 12.6194, 16.0261,
9.2344

■ 43.1850, 51.5462,
37.0239

■ 7.2422, 9.5426,
4.7955

■ 59.4027, 70.0242,
52.5064

■ 3.6617, 5.0968,
2.0711

■ 79.2439, 92.4617,
71.7962

■ 1.5126, 2.3042,
0.5985

■ 103.0740,
119.2432, 95.3119

■ 0.3344, 0.7759,
0.0000

131.2583,
150.7531, 123.4718

■ 0.0000, 0.0000,
0.0000

164.1622,

187.3758, 156.6947

202.1511,
229.4957, 195.3989

■ 20.1587, 24.9316,
15.8064

■ 20.1587, 24.9316,
15.8064

■ 18.5085, 24.1552,
12.4070

■ 22.0158, 25.8019,
19.8597

■ 17.0548, 23.4659,
9.6256

■ 24.0856, 26.7663,
24.5970

■ 15.7894, 22.8609,
7.4252

■ 26.3763, 27.8288,
30.0484

■ 14.7023, 22.3361,
5.7646

■ 28.8946, 28.9926,
36.2420

■ 13.7825, 21.8868,
4.5968

■ 31.6474, 30.2605,
43.2042

■ 13.0175, 21.5078,
3.8667

■ 34.6410, 31.6352,
50.9600

■ 12.4084, 21.2027,
3.4385

■ 37.8815, 33.1193,
59.5336

■ 41.3747, 34.7154,
68.9477

■ 45.1263, 36.4258,
79.2246

Harmonies

Analogous

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



22.8225, 24.9316, 13.4631



20.1587, 24.9316, 15.8064



18.5467, 24.9316, 21.3274

Triad

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



20.1587, 24.9316, 15.8064



21.5668, 24.9316, 46.4515



30.1322, 24.9316, 24.6893

Complementary

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



20.1587, 24.9316, 15.8064



17.7606, 15.3396, 28.4117

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.



29.7215, 24.9316, 33.9375



20.1587, 24.9316, 15.8064



24.5930, 24.9316, 47.9068

Square

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



20.1587, 24.9316, 15.8064



19.3086, 24.9316, 39.2925



27.6263, 24.9316, 42.9183



28.7039, 24.9316, 17.8030

Rectangle

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



20.1587, 24.9316, 15.8064



18.1963, 24.9316, 26.6975



27.6263, 24.9316, 42.9183



30.2070, 24.9316, 27.6000

Sweetspot

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



20.1593, 24.9327, 15.8069



43.0101, 47.4537, 44.6242



20.8528, 20.9502, 15.0017



9.7456, 10.8276, 9.9579



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.



20.1593, 24.9327, 15.8069



33.4218, 42.9696, 23.4468



17.5655, 23.5914, 15.8717



5.5724, 6.1477, 5.7823



10.8318, 18.4766, 2.9954



0.1287, 0.1896, 0.0298

Inverse Universe

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



17.7606, 15.3396, 28.4117



28.4621, 23.1378, 49.5040



21.0379, 17.0356, 28.2734



5.3817, 5.3849, 6.7845



6.9568, 3.0800, 23.2049



0.0920, 0.0426, 0.2230

Previews

White Background



This preview shows how the XYZ color 20.1587, 24.9316, 15.8064 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 20.1587, 24.9316, 15.8064 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 20.1587, 24.9316, 15.8064

Background



This preview shows how black text looks on a background with the XYZ color 20.1587, 24.9316, 15.8064.



This preview shows how white text looks on a background with the XYZ color 20.1587, 24.9316,

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

20.1587, 24.9316, 15.8064

Protanopia

22.9944, 24.6744, 14.8600

Deuteranopia

25.2624, 24.7889, 16.2852



Tritanopia

23.4154, 24.9361, 32.0128

Trichromacy



Original Color

20.1587, 24.9316, 15.8064

Protanomaly

21.9185, 24.7504, 15.1773

Deuteranomaly

23.0565, 24.6786, 16.1186

Tritanomaly

21.9323, 24.7548, 25.0949

Monochromacy



Original Color

20.1587, 24.9316, 15.8064

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.0964, 23.5536, 21.2037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1587, 24.9316, 15.8064 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(121, 144, 100)` looks like.

```
.text, #text, p{  
    color:rgb(121, 144, 100)  
}
```

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(121, 144, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 144, 100) }
```

Border

The CSS property to change the border of an element to XYZ 20.1587, 24.9316, 15.8064 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(121, 144, 100) }
```


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

```
.border{ border-color:rgb(121, 144, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 144, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 144, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 144, 100);  
box-shadow:4px 4px 4px 4px rgb(121, 144,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1587, 24.9316, 15.8064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 144, 100) }
```

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

```
.background{ background-color: rgb(121,  
144, 100) }
```

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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