

Converting Colors

XYZ(20.4822, 23.4621, 24.7385)

Have a look what the booklet for
XYZ(20.4822, 23.4621, 24.7385)
contains.

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Color

**XYZ(20.4461, 23.3546,
24.5494)**

Conversions

Conversions Part 1

Format	Color
Hex	768982
RGB	118, 137, 130
RGB Percent	46%, 54%, 51%
CMY	0.5373, 0.4627, 0.4902
CMYK	0.14, 0.00, 0.05, 0.46
HSL	158°, 7%, 50%
HSV	158°, 14%, 54%
XYZ	20.4461, 23.3546, 24.5494
YIQ	130.5210, -9.0770, -6.2050

Conversions

Conversions Part 2

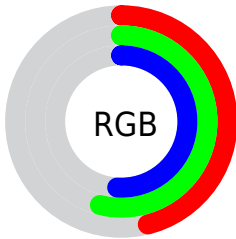
Format	Color
R_{YB}	118, 130, 137
Decimal	7768450
CIE _{Lab}	55.44, -8.32, 1.44
CIE _{LCh}	55, 8.446, 170.203
Yxy	23.3546, 0.2991, 0.3417
Android (android.graphics.Color)	4285958530 (0xFF768982)
YUV	130.5210, -0.2569, -10.9809
Hunter-Lab	48.3266, -9.0515, 3.7099

Details

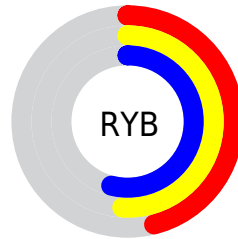
The XYZ color **20.4461, 23.3546, 24.5494** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4974, 19.7564, 22.1360**, and the grayscale version is **21.4065, 22.5213, 24.5257**.

A 20% lighter version of the original color is **43.5383, 48.7919, 51.9228**, and **7.3476, 8.6757, 9.0719** is the 20% darker color. If you saturate the color by 10%, you get **18.3886, 22.3328, 22.7277**, and if you desaturate by 10%, it is **22.7918, 24.5244, 26.4724**.

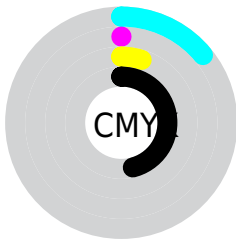
Distribution



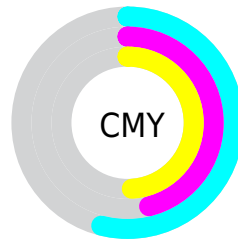
- Red (46%)
- Green (54%)
- Blue (51%)



- Red (46%)
- Yellow (51%)
- Blue (54%)



- Cyan (14%)
- Magenta (0%)
- Yellow (5%)
- Black (46%)



- Cyan (54%)
- Magenta (46%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4461, 23.3546, 24.5494 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 20.4461, 23.3546, 24.5494 by changing the saturation by 10% instead.

■ 20.4461, 23.3546,
24.5494

■ 20.4461, 23.3546,
24.5494

247.1078,
269.5411, 288.9619

■ 12.8299, 14.8556,
15.5257

■ 43.6621, 48.9749,
51.8803

■ 7.3877, 8.7181,
9.0385

■ 59.9926, 66.8650,
71.0246

■ 3.7542, 4.5578,
4.6691

■ 79.9586, 88.6542,
94.3795

■ 1.5640, 1.9902,
1.9991

103.9253,
114.7270, 122.3635

■ 0.3688, 0.6018,
0.5548

132.2583,
145.4676, 155.3952

■ 0.0000, 0.0000,
0.0000

165.3228,

181.2606, 193.8932

203.4842,
222.4903, 238.2759

■ 20.4461, 23.3546,
24.5494

■ 20.4461, 23.3546,
24.5494

■ 18.3886, 22.3328,
22.7277

■ 22.7918, 24.5244,
26.4724

■ 16.6055, 21.4499,
21.0040

■ 25.4349, 25.8448,
28.4967

■ 15.0848, 20.7004,
19.3768

■ 28.3865, 27.3224,
30.6248

■ 13.8128, 20.0772,
17.8444

■ 31.6566, 28.9622,
32.8581

■ 12.7744, 19.5727,
16.4045

■ 35.2549, 30.7691,
35.1982

■ 11.9530, 19.1782,
15.0553

■ 39.1903, 32.7478,
37.6467

■ 11.3294, 18.8841,
13.7942

■ 43.4718, 34.9028,
40.2051

■ 10.8804, 18.6781,
12.6189

■ 48.1077, 37.2384,
42.8749

■ 10.6469, 18.5726,
11.9381

■ 53.1062, 39.7588,
45.6575

Harmonies

Analogous

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



20.8238, 23.3546, 22.2256



20.4461, 23.3546, 24.5494



20.5274, 23.3546, 27.2789

Triad

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



20.4461, 23.3546, 24.5494



22.8347, 23.3546, 30.6613



23.3876, 23.3546, 21.6180

Complementary

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



20.4461, 23.3546, 24.5494



20.4974, 19.7564, 22.1360

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.



23.9566, 23.3546, 23.6650



20.4461, 23.3546, 24.5494



23.6310, 23.3546, 28.9267

Square

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



20.4461, 23.3546, 24.5494



21.8885, 23.3546, 30.9403



24.0469, 23.3546, 26.3298



22.5101, 23.3546, 20.6147

Rectangle

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



20.4461, 23.3546, 24.5494



20.8318, 23.3546, 28.9576



24.0469, 23.3546, 26.3298



23.6224, 23.3546, 22.1997

Sweetspot

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



20.4468, 23.3556, 24.5499



40.7167, 43.8680, 47.3278



20.7153, 23.5817, 20.5996



9.0654, 9.8059, 10.5620



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.4468, 23.3556, 24.5499



35.2654, 41.1523, 42.7983



20.6211, 22.9262, 27.0065



5.0959, 5.6579, 6.0263



9.9229, 17.3018, 11.1507



0.0730, 0.1178, 0.1114

Inverse Universe

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



20.4974, 19.7564, 22.1360



35.3765, 33.2676, 37.5110



20.3298, 20.1120, 19.9502



5.1041, 5.0771, 5.6367



10.1613, 5.1746, 3.3536



0.0741, 0.0370, 0.0572

Previews

White Background



This preview shows how the XYZ color 20.4461, 23.3546, 24.5494 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 20.4461, 23.3546, 24.5494 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

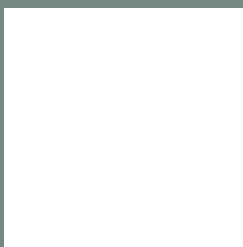
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4461, 23.3546, 24.5494

Background



This preview shows how black text looks on a background with the XYZ color 20.4461, 23.3546, 24.5494.



This preview shows how white text looks on a background with the XYZ color 20.4461, 23.3546,

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

20.4461, 23.3546, 24.5494

Protanopia

22.2354, 23.2691, 23.3981

Deuteranopia

23.5611, 23.1240, 25.0514



Tritanopia

21.6600, 23.4372, 30.1703

Trichromacy



Original Color

20.4461, 23.3546, 24.5494

Protanomaly

21.4746, 23.2758, 23.7829

Deuteranomaly

22.2047, 23.0222, 24.7461

Tritanomaly

21.2835, 23.4948, 28.2241

Monochromacy



Original Color

20.4461, 23.3546, 24.5494

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.0884, 22.8494, 24.7716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4461, 23.3546, 24.5494 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(118, 137, 130)` looks like.

```
.text, #text, p{  
    color:rgb(118, 137, 130)  
}
```

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(118, 137, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 137, 130) }
```

Border

The CSS property to change the border of an element to XYZ 20.4461, 23.3546, 24.5494 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(118, 137, 130) }
```


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

```
.border{ border-color:rgb(118, 137, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 137, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 137, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 137, 130);  
box-shadow:4px 4px 4px 4px rgb(118, 137,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4461, 23.3546, 24.5494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 137, 130) }
```

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

```
.background{ background-color: rgb(118,  
137, 130) }
```

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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