

Converting Colors

XYZ(20.6655, 23.3766, 25.7015)

Have a look what the booklet for
XYZ(20.6655, 23.3766, 25.7015)
contains.

XYZ(20.6505, 23.4363, 25.6256)	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(20.6505, 23.4363,
25.6256)**

Conversions

Conversions Part 1

Format	Color
Hex	768985
RGB	118, 137, 133
RGB Percent	46%, 54%, 52%
CMY	0.5373, 0.4627, 0.4784
CMYK	0.14, 0.00, 0.03, 0.46
HSL	167°, 7%, 50%
HSV	167°, 14%, 54%
XYZ	20.6505, 23.4363, 25.6256
YIQ	130.8630, -10.0400, -5.2720

Conversions

Conversions Part 2

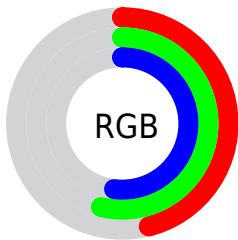
Format	Color
R_{YB}	118, 129, 137
Decimal	7768453
CIE Lab	55.52, -7.69, -0.17
CIE LCh	56, 7.688, 181.288
Yxy	23.4363, 0.2962, 0.3362
Android (android.graphics.Color)	4285958533 (0xFF768985)
YUV	130.8630, 1.0535, -11.2809
Hunter-Lab	48.4111, -8.5773, 2.5035

Details

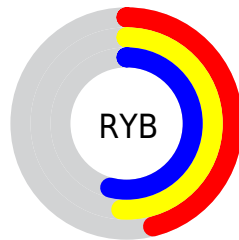
The XYZ color **20.6505, 23.4363, 25.6256** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.3086, 19.6810, 21.1418**, and the grayscale version is **21.5239, 22.6449, 24.6603**.

A 20% lighter version of the original color is **43.8539, 48.9181, 53.5852**, and **7.4627, 8.7217, 9.6776** is the 20% darker color. If you saturate the color by 10%, you get **18.7270, 22.4681, 24.5096**, and if you desaturate by 10%, it is **22.8510, 24.5480, 26.7841**.

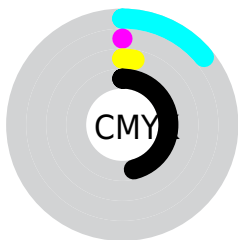
Distribution



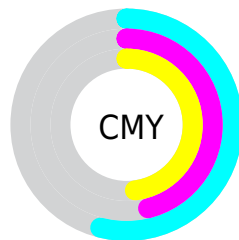
- Red (46%)
- Green (54%)
- Blue (52%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (46%)



- Cyan (54%)
- Magenta (46%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6505, 23.4363, 25.6256 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 20.6505, 23.4363, 25.6256 by changing the saturation by 10% instead.

■ 20.6505, 23.4363,
25.6256

■ 20.6505, 23.4363,
25.6256

248.1822,
269.9581, 294.4861

■ 12.9798, 14.9160,
16.3205

■ 44.0008, 49.1087,
53.6470

■ 7.4915, 8.7605,
9.5944

■ 60.4111, 67.0297,
73.2003

■ 3.8204, 4.5853,
5.0288

■ 80.4653, 88.8529,
97.0069

■ 1.6010, 2.0060,
2.2051

104.5288,
114.9629, 125.4851

■ 0.3931, 0.6110,
0.6773

132.9668,
145.7440, 159.0536

■ 0.0000, 0.0000,
0.0000

166.1449,

181.5807, 198.1309

204.4282,
222.8572, 243.1356

■ 20.6505, 23.4363,
25.6256

■ 20.6505, 23.4363,
25.6256

■ 18.7270, 22.4681,
24.5096

■ 22.8510, 24.5480,
26.7841

■ 17.0670, 21.6344,
23.4338

■ 25.3376, 25.8059,
27.9844

■ 15.6586, 20.9298,
22.3980

■ 28.1212, 27.2162,
29.2275

■ 14.4882, 20.3473,
21.4012

■ 31.2116, 28.7841,
30.5143

■ 13.5412, 19.8793,
20.4425

■ 34.6182, 30.5144,
31.8454

■ 12.8010, 19.5174,
19.5209

■ 38.3500, 32.4116,
33.2213

■ 12.2487, 19.2517,
18.6353

■ 42.4156, 34.4802,
34.6428

■ 11.8612, 19.0704,
17.7844

■ 46.8232, 36.7245,
36.1104

■ 11.6608, 18.9781,
17.2777

■ 51.5808, 39.1486,
37.6246

Harmonies

Analogous

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



20.8455, 23.4363, 23.2931



20.6505, 23.4363, 25.6256



20.8814, 23.4363, 28.0781

Triad

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



20.6505, 23.4363, 25.6256



23.1523, 23.4363, 29.8182



23.0858, 23.4363, 21.5567

Complementary

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



20.6505, 23.4363, 25.6256



20.3086, 19.6810, 21.1418

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.



23.7303, 23.4363, 23.1187



20.6505, 23.4363, 25.6256



23.7694, 23.4363, 27.8805

Square

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



20.6505, 23.4363, 25.6256



22.3130, 23.4363, 30.5936



23.9836, 23.4363, 25.4110



22.2381, 23.4363, 21.0375

Rectangle

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



20.6505, 23.4363, 25.6256



21.2494, 23.4363, 29.4267



23.9836, 23.4363, 25.4110



23.3342, 23.4363, 21.9720

Sweetspot

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



20.6512, 23.4373, 25.6261



40.8286, 43.9127, 47.9171



20.2590, 23.3464, 20.5784



9.0946, 9.8175, 10.7157



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.



20.6512, 23.4373, 25.6261



35.7178, 41.3333, 45.1803



20.1866, 22.0573, 26.8616



5.1285, 5.6709, 6.1976



10.8659, 17.6790, 16.1166



0.0774, 0.1195, 0.1346

Inverse Universe

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



20.3086, 19.6810, 21.1418



34.9676, 33.1040, 35.3574



20.7179, 20.8883, 20.0798



5.0732, 5.0647, 5.4739



9.8185, 5.0375, 1.5488



0.0697, 0.0353, 0.0340

Previews

White Background



This preview shows how the XYZ color 20.6505, 23.4363, 25.6256 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 20.6505, 23.4363, 25.6256 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

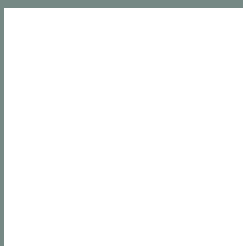
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6505, 23.4363, 25.6256

Background



This preview shows how black text looks on a background with the XYZ color 20.6505, 23.4363, 25.6256.



This preview shows how white text looks on a background with the XYZ color 20.6505, 23.4363,

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

20.6505, 23.4363, 25.6256

Protanopia

22.4339, 23.3485, 24.4434

Deuteranopia

23.9005, 23.4695, 26.1921



Tritanopia

21.5980, 23.3963, 30.5717

Trichromacy



Original Color

20.6505, 23.4363, 25.6256

Protanomaly

21.6751, 23.3560, 24.8385

Deuteranomaly

22.5460, 23.3747, 25.8777

Tritanomaly

21.2196, 23.4533, 28.6079

Monochromacy



Original Color

20.6505, 23.4363, 25.6256

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.1566, 22.8766, 25.1304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6505, 23.4363, 25.6256 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(118, 137, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 137, 133) }
```

Border

The CSS property to change the border of an element to XYZ 20.6505, 23.4363, 25.6256 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, 133) }
```


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

```
.border{ border-color:rgb(118, 137, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 137, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 137, 133);  
box-shadow:4px 4px 4px 4px rgb(118, 137,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6505, 23.4363, 25.6256 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, 133) }
```

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

```
.background{ background-color: rgb(118,  
137, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor