

Converting Colors

XYZ(21.2837, 23.2742, 21.3925)

Have a look what the booklet for
XYZ(21.2837, 23.2742, 21.3925)
contains.

XYZ(21.3364, 23.2560, 21.4535)	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(21.3364, 23.2560,
21.4535)**

Conversions

Conversions Part 1

Format	Color
Hex	838679
RGB	131, 134, 121
RGB Percent	51%, 53%, 47%
CMY	0.4863, 0.4745, 0.5255
CMYK	0.02, 0.00, 0.10, 0.47
HSL	74°, 5%, 50%
HSV	74°, 10%, 53%
XYZ	21.3364, 23.2560, 21.4535
YIQ	131.6210, 2.3850, -4.6790

Conversions

Conversions Part 2

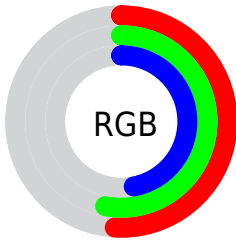
Format	Color
R_{YB}	121, 134, 124
Decimal	8619641
CIE Lab	55.34, -3.60, 6.61
CIE LCh	55, 7.529, 118.579
Yxy	23.2560, 0.3231, 0.3521
Android (android.graphics.Color)	4286809721 (0xFF838679)
YUV	131.6210, -5.2362, -0.5446
Hunter-Lab	48.2245, -5.4174, 7.3809

Details

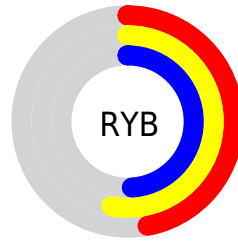
The XYZ color **21.3364, 23.2560, 21.4535** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.4536, 19.6817, 25.3292**, and the grayscale version is **21.8139, 22.9500, 24.9925**.

A 20% lighter version of the original color is **45.0803, 48.7481, 46.5685**, and **7.8197, 8.6024, 7.3792** is the 20% darker color. If you saturate the color by 10%, you get **20.0991, 22.7073, 17.3998**, and if you desaturate by 10%, it is **22.7034, 23.8598, 26.1102**.

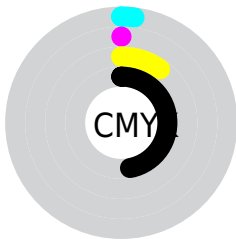
Distribution



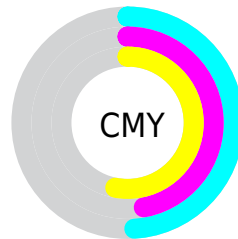
- Red (51%)
- Green (53%)
- Blue (47%)



- Red (47%)
- Yellow (53%)
- Blue (49%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (47%)



- Cyan (49%)
- Magenta (47%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3364, 23.2560, 21.4535 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 21.3364, 23.2560, 21.4535 by changing the saturation by 10% instead.

■ 21.3364, 23.2560,
21.4535

■ 21.3364, 23.2560,
21.4535

251.7589,
269.0371, 272.5386

■ 13.4840, 14.7826,
13.2614

■ 45.1338, 48.8133,
46.7316

■ 7.8419, 8.6670,
7.4760

■ 61.8095, 66.6661,
64.6548

■ 4.0449, 4.5246,
3.6786

■ 82.1570, 88.4142,
86.6587

■ 1.7276, 1.9711,
1.4507

106.5416,
114.4419, 113.1619

■ 0.4734, 0.5906,
0.1808

135.3288,
145.1336, 144.5829

■ 0.0000, 0.0000,
0.0000

168.8838,

180.8738, 181.3404

207.5721,
222.0469, 223.8528

■ 21.3364, 23.2560,
21.4535

■ 21.3364, 23.2560,
21.4535

■ 20.0991, 22.7073,
17.3998

■ 22.7034, 23.8598,
26.1102

■ 18.9850, 22.2087,
13.9230

■ 24.2029, 24.5174,
31.3915

■ 17.9893, 21.7592,
10.9971

■ 25.8397, 25.2317,
37.3201

■ 17.1068, 21.3565,
8.5939

■ 27.6179, 26.0042,
43.9168

■ 16.3313, 20.9982,
6.6823

■ 29.5414, 26.8366,
51.2016

■ 15.6563, 20.6817,
5.2281

■ 31.6140, 27.7303,
59.1936

■ 15.0742, 20.4040,
4.1929

■ 33.8393, 28.6869,
67.9113

■ 14.5764, 20.1615,
3.5316

■ 36.2208, 29.7076,
77.3724

■ 14.1385, 19.9445,
3.1159

■ 38.7619, 30.7940,
87.5940

Harmonies

Analogous

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



22.1444, 23.2560, 20.9514



21.3364, 23.2560, 21.4535



20.7472, 23.2560, 22.9739

Triad

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



21.3364, 23.2560, 21.4535



21.2683, 23.2560, 29.5014



23.7675, 23.2560, 25.4374

Complementary

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



21.3364, 23.2560, 21.4535



19.4536, 19.6817, 25.3292

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.



23.5190, 23.2560, 27.8245



21.3364, 23.2560, 21.4535



22.0639, 23.2560, 30.2613

Square

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



21.3364, 23.2560, 21.4535



20.7086, 23.2560, 27.6123



22.8901, 23.2560, 29.6293



23.5610, 23.2560, 23.1617

Rectangle

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



21.3364, 23.2560, 21.4535



20.5503, 23.2560, 24.4120



22.8901, 23.2560, 29.6293



23.7343, 23.2560, 26.2539

Sweetspot

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



21.3370, 23.2570, 21.4540



39.1636, 41.6685, 43.1212



20.4682, 20.8189, 21.0292



8.7827, 9.3697, 9.5763



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



21.3370, 23.2570, 21.4540



37.0119, 40.7175, 35.8691



20.3884, 22.7680, 21.4096



4.9374, 5.3703, 5.0057



13.2468, 18.6889, 2.9091



0.0522, 0.0680, 0.0104

Inverse Universe

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



19.4536, 19.6817, 25.3292



32.8884, 32.8899, 44.3534



20.3958, 20.1675, 25.3733



4.5277, 4.5926, 5.8486



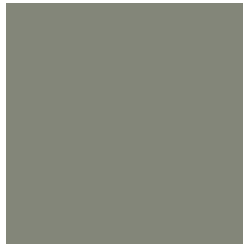
4.5690, 1.8896, 21.2606



0.0213, 0.0094, 0.0739

Previews

White Background



This preview shows how the XYZ color 21.3364, 23.2560, 21.4535 looks on a white background.

Color Contrast Check

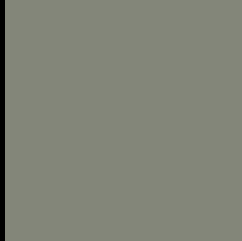
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3364, 23.2560, 21.4535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

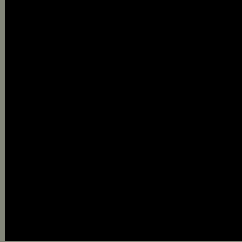
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3364, 23.2560, 21.4535

Background



This preview shows how black text looks on a background with the XYZ color 21.3364, 23.2560, 21.4535.



This preview shows how white text looks on a background with the XYZ color 21.3364, 23.2560,

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

21.3364, 23.2560, 21.4535

Protanopia

22.1227, 23.2619, 21.0933

Deuteranopia

23.6264, 23.2330, 21.6515



Tritanopia

22.7555, 23.2240, 28.4826

Trichromacy



Original Color

21.3364, 23.2560, 21.4535

Protanomaly

21.7694, 23.2820, 21.1158

Deuteranomaly

22.6508, 23.1212, 21.6814

Tritanomaly

22.2272, 23.2103, 25.8628

Monochromacy



Original Color

21.3364, 23.2560, 21.4535

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.7995, 23.2391, 23.7587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3364, 23.2560, 21.4535 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(131, 134, 121)` looks like.

```
.text, #text, p{  
    color:rgb(131, 134, 121)  
}
```

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(131, 134, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 134, 121) }
```

Border

The CSS property to change the border of an element to XYZ 21.3364, 23.2560, 21.4535 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(131, 134, 121) }
```


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

```
.border{ border-color:rgb(131, 134, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 134, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 134, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 134, 121);  
box-shadow:4px 4px 4px 4px rgb(131, 134,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3364, 23.2560, 21.4535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 134, 121) }
```

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

```
.background{ background-color: rgb(131,  
134, 121) }
```

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