

Converting Colors

XYZ(20.4306, 21.7004, 22.4973)

Have a look what the booklet for
XYZ(20.4306, 21.7004, 22.4973)
contains.

XYZ(20.4540, 21.7704, 22.5261)	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(20.4540, 21.7704,
22.5261)**

Conversions

Conversions Part 1

Format	Color
Hex	80817D
RGB	128, 129, 125
RGB Percent	50%, 51%, 49%
CMY	0.4980, 0.4941, 0.5098
CMYK	0.01, 0.00, 0.03, 0.49
HSL	75°, 2%, 50%
HSV	75°, 3%, 51%
XYZ	20.4540, 21.7704, 22.5261
YIQ	128.2450, 0.6880, -1.4560

Conversions

Conversions Part 2

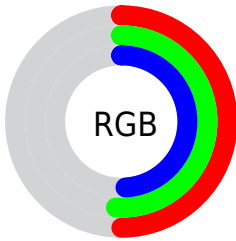
Format	Color
R_{YB}	125, 129, 126
Decimal	8421757
CIE Lab	53.78, -1.16, 2.03
CIE LCh	54, 2.335, 119.740
Yxy	21.7704, 0.3159, 0.3362
Android (android.graphics.Color)	4286611837 (0xFF80817D)
YUV	128.2450, -1.5998, -0.2149
Hunter-Lab	46.6588, -3.4030, 4.0369

Details

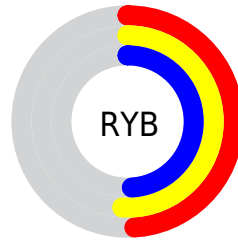
The XYZ color **20.4540, 21.7704, 22.5261** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.9012, 20.6885, 23.7144**, and the grayscale version is **20.6086, 21.6818, 23.6115**.

A 20% lighter version of the original color is **43.8199, 46.4940, 48.7842**, and **7.3976, 7.9214, 7.9766** is the 20% darker color. If you saturate the color by 10%, you get **19.2046, 21.2161, 18.4415**, and if you desaturate by 10%, it is **21.8272, 22.3774, 27.1762**.

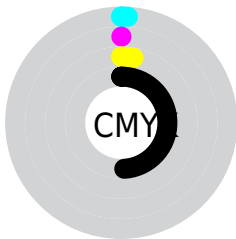
Distribution



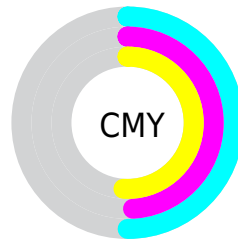
- Red (50%)
- Green (51%)
- Blue (49%)



- Red (49%)
- Yellow (51%)
- Blue (49%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (49%)



- Cyan (50%)
- Magenta (49%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4540, 21.7704, 22.5261 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 20.4540, 21.7704, 22.5261 by changing the saturation by 10% instead.

■ 20.4540, 21.7704,
22.5261

■ 20.4540, 21.7704,
22.5261

247.1494,
261.3449, 278.3241

■ 12.8357, 13.6883,
14.0420

■ 43.6752, 46.3662,
48.5273

■ 7.3917, 7.9042,
8.0108

■ 60.0088, 63.6487,
66.8814

■ 3.7567, 4.0337,
4.0140

■ 79.9782, 84.7668,
89.3627

■ 1.5655, 1.6924,
1.6330

103.9487,
110.1049, 116.3895

■ 0.3697, 0.4188,
0.3142

132.2857,
140.0473, 148.3806

■ 0.0000, 0.0000,
0.0000

165.3546,

174.9786, 185.7543

203.5207,
215.2829, 228.9293

■ 20.4540, 21.7704,
22.5261

■ 20.4540, 21.7704,
22.5261

■ 19.2046, 21.2161,
18.4415

■ 21.8272, 22.3774,
27.1762

■ 18.0729, 20.7099,
14.8995

■ 23.3263, 23.0360,
32.4107

■ 17.0551, 20.2510,
11.8775

■ 24.9558, 23.7485,
38.2496

■ 16.1463, 19.8375,
9.3510

■ 26.7194, 24.5164,
44.7113

■ 15.3413, 19.4672,
7.2935

■ 28.6205, 25.3413,
51.8136

■ 14.6344, 19.1379,
5.6758

■ 30.6625, 26.2243,
59.5733

■ 14.0195, 18.8470,
4.4657

■ 32.8487, 27.1669,
68.0069

■ 13.4893, 18.5917,
3.6265

■ 35.1820, 28.1703,
77.1302

■ 13.0353, 18.3685,
3.1140

■ 37.6657, 29.2357,
86.9584

Harmonies

Analogous

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



20.6943, 21.7704, 22.3509



20.4540, 21.7704, 22.5261



20.2787, 21.7704, 23.0156

Triad

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



20.4540, 21.7704, 22.5261



20.4502, 21.7704, 24.9163



21.1777, 21.7704, 23.7105

Complementary

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



20.4540, 21.7704, 22.5261



19.9012, 20.6885, 23.7144

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.



21.1111, 21.7704, 24.4065



20.4540, 21.7704, 22.5261



20.6899, 21.7704, 25.1112

Square

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



20.4540, 21.7704, 22.5261



20.2765, 21.7704, 24.3954



20.9321, 21.7704, 24.9228



21.1133, 21.7704, 23.0263

Rectangle

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



20.4540, 21.7704, 22.5261



20.2216, 21.7704, 23.4593



20.9321, 21.7704, 24.9228



21.1699, 21.7704, 23.9509

Sweetspot

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



20.4546, 21.7713, 22.5266



37.1203, 39.2035, 41.9844



20.2166, 21.0702, 22.4038



8.4060, 8.8753, 9.5163



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



20.4546, 21.7713, 22.5266



36.3961, 38.8829, 39.5683



20.1569, 21.6178, 22.5126



4.6967, 5.0260, 5.0759



12.4313, 17.7709, 2.7749



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.9012, 20.6885, 23.7144



35.0967, 36.3405, 42.3571



20.1989, 20.8420, 23.7284



4.5106, 4.6619, 5.4754



4.4574, 1.8516, 20.3724



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.4540, 21.7704, 22.5261 looks on a white background.

Color Contrast Check

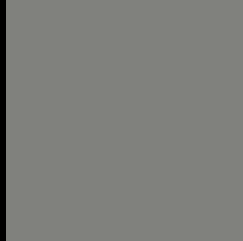
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4540, 21.7704, 22.5261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

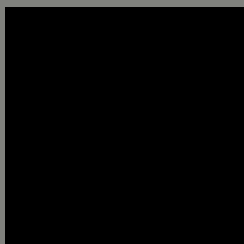
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

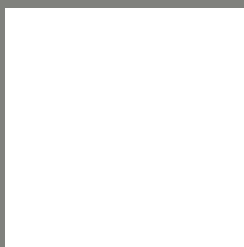
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4540, 21.7704, 22.5261

Background



This preview shows how black text looks on a background with the XYZ color 20.4540, 21.7704, 22.5261.



This preview shows how white text looks on a background with the XYZ color 20.4540, 21.7704,

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

20.4540, 21.7704, 22.5261

Protanopia

20.8730, 21.7991, 22.1763

Deuteranopia

22.1289, 21.6724, 22.7555



Tritanopia

21.3106, 21.7307, 26.7382

Trichromacy



Original Color

20.4540, 21.7704, 22.5261

Protanomaly

20.7173, 21.7189, 22.1690

Deuteranomaly

21.5433, 21.7464, 22.8007

Tritanomaly

21.0061, 21.7989, 25.2908

Monochromacy



Original Color

20.4540, 21.7704, 22.5261

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.4520, 21.5598, 23.1622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4540, 21.7704, 22.5261 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(128, 129, 125)` looks like.

```
.text, #text, p{  
    color:rgb(128, 129, 125)  
}
```

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(128, 129, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 129, 125) }
```

Border

The CSS property to change the border of an element to XYZ 20.4540, 21.7704, 22.5261 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(128, 129, 125) }
```


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

```
.border{ border-color:rgb(128, 129, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 129, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 129, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 129, 125); box-shadow:4px 4px 4px 4px rgb(128, 129, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4540, 21.7704, 22.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 129, 125) }
```

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

```
.background{ background-color: rgb(128,  
129, 125) }
```

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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