

Converting Colors

XYZ(20.2282, 21.4194, 22.1605)

Have a look what the booklet for
XYZ(20.2282, 21.4194, 22.1605)
contains.

XYZ(20.2593, 21.4828, 22.1476)	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(20.2593, 21.4828,
22.1476)**

Conversions

Conversions Part 1

Format	Color
Hex	80807C
RGB	128, 128, 124
RGB Percent	50%, 50%, 49%
CMY	0.4980, 0.4980, 0.5137
CMYK	0.00, 0.00, 0.03, 0.50
HSL	60°, 2%, 49%
HSV	60°, 3%, 50%
XYZ	20.2593, 21.4828, 22.1476
YIQ	127.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

Format	Color
R_{YB}	124, 128, 124
Decimal	8421500
CIE Lab	53.47, -0.78, 2.16
CIE LCh	53, 2.298, 109.880
Yxy	21.4828, 0.3171, 0.3362
Android (android.graphics.Color)	4286611580 (0xFF80807C)
YUV	127.5440, -1.7472, 0.3999
Hunter-Lab	46.3495, -3.0897, 4.1136

Details

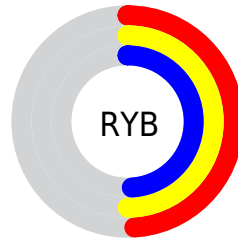
The XYZ color **20.2593, 21.4828, 22.1476** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.4171, 20.2596, 23.3104**, and the grayscale version is **20.3661, 21.4267, 23.3337**.

A 20% lighter version of the original color is **43.4164, 46.0061, 47.6661**, and **7.2904, 7.7622, 7.7706** is the 20% darker color. If you saturate the color by 10%, you get **19.5005, 21.1798, 18.1572**, and if you desaturate by 10%, it is **21.1244, 21.8297, 26.6924**.

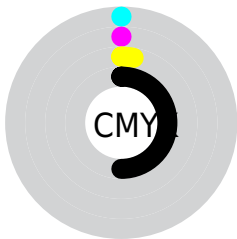
Distribution



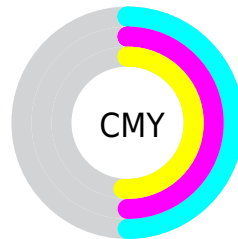
- Red (50%)
- Green (50%)
- Blue (49%)



- Red (49%)
- Yellow (50%)
- Blue (49%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (50%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2593, 21.4828, 22.1476 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 20.2593, 21.4828, 22.1476 by changing the saturation by 10% instead.

■ 20.2593, 21.4828,
22.1476

■ 20.2593, 21.4828,
22.1476

246.1223,
259.8333, 276.2947

■ 12.6930, 13.4774,
13.7660

■ 43.3521, 45.8897,
47.8951

■ 7.2930, 7.7581,
7.8212

■ 59.6094, 63.0599,
66.0982

■ 3.6940, 3.9405,
3.8946

■ 79.4944, 84.0539,
88.4122

■ 1.5305, 1.6404,
1.5677

103.3724,
109.2559, 115.2556

■ 0.3465, 0.3846,
0.2676

131.6089,
139.0505, 147.0470

■ 0.0000, 0.0000,
0.0000

164.5691,

173.8220, 184.2050

202.6185,
213.9548, 227.1481

■ 20.2593, 21.4828,
22.1476

■ 20.2593, 21.4828,
22.1476

■ 19.5005, 21.1798,
18.1572

■ 21.1244, 21.8297,
26.6924

■ 18.8422, 20.9163,
14.6988

■ 22.0979, 22.2193,
31.8103

■ 18.2807, 20.6915,
11.7502

■ 23.1839, 22.6539,
37.5208

■ 17.8114, 20.5036,
9.2874

■ 24.3858, 23.1348,
43.8419

■ 17.4295, 20.3507,
7.2843

■ 25.7070, 23.6635,
50.7911

■ 17.1294, 20.2305,
5.7125

■ 27.1506, 24.2411,
58.3850

■ 16.9053, 20.1406,
4.5402

■ 28.7198, 24.8689,
66.6396

■ 16.7502, 20.0784,
3.7316

■ 30.4173, 25.5481,
75.5705

■ 16.6558, 20.0405,
3.2430

■ 32.2461, 26.2798,
85.1925

Harmonies

Analogous

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



20.5015, 21.4828, 22.0905



20.2593, 21.4828, 22.1476



20.0613, 21.4828, 22.5341

Triad

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



20.2593, 21.4828, 22.1476



20.1173, 21.4828, 24.4359



20.8851, 21.4828, 23.6285

Complementary

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



20.2593, 21.4828, 22.1476



19.4171, 20.2596, 23.3104

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.



20.7804, 21.4828, 24.2695



20.2593, 21.4828, 22.1476



20.3363, 21.4828, 24.7418

Square

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



20.2593, 21.4828, 22.1476



19.9798, 21.4828, 23.8520



20.5790, 21.4828, 24.6803



20.8641, 21.4828, 22.9362

Rectangle

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



20.2593, 21.4828, 22.1476



19.9805, 21.4828, 22.9310



20.5790, 21.4828, 24.6803



20.8634, 21.4828, 23.8574

Sweetspot

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



20.2599, 21.4837, 22.1481



35.9733, 37.9452, 40.5939



19.7485, 20.4603, 21.9775



8.4248, 8.8850, 9.5171



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.



20.2599, 21.4837, 22.1481



35.5316, 37.7684, 38.2728



19.9623, 21.3303, 22.1341



4.7479, 5.0524, 5.0783



16.4656, 19.8507, 2.9637



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.4171, 20.2596, 23.3104



33.6018, 34.9653, 40.9343



19.7088, 20.4099, 23.3240



4.4616, 4.6366, 5.4731



3.8647, 1.5460, 20.3447



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.2593, 21.4828, 22.1476 looks on a white background.

Color Contrast Check

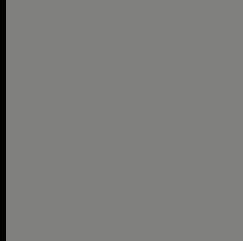
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2593, 21.4828, 22.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

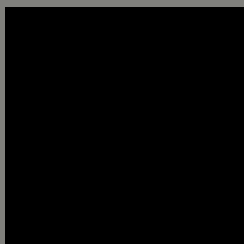
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

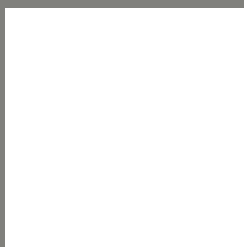
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2593, 21.4828, 22.1476

Background



This preview shows how black text looks on a background with the XYZ color 20.2593, 21.4828, 22.1476.



This preview shows how white text looks on a background with the XYZ color 20.2593, 21.4828,

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

20.2593, 21.4828, 22.1476

Protanopia

20.5875, 21.4593, 22.1258

Deuteranopia

21.7691, 21.3093, 22.3678



Tritanopia

21.1107, 21.4451, 26.3192

Trichromacy



Original Color

20.2593, 21.4828, 22.1476

Protanomaly

20.4334, 21.3798, 22.1185

Deuteranomaly

21.1886, 21.3821, 22.4124

Tritanomaly

20.8075, 21.5118, 24.8853

Monochromacy



Original Color

20.2593, 21.4828, 22.1476

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 20.2593, 21.4828, 22.1476 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, 128, 124) looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 124)  
}
```

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, 128, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.2593, 21.4828, 22.1476 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, 128, 124) }
```


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

```
.border{ border-color:rgb(128, 128, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 124);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2593, 21.4828, 22.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 124) }
```

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

```
.background{ background-color: rgb(128,  
128, 124) }
```

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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