

Converting Colors

XYZ(20.2105, 22.6266, 24.4755)

Have a look what the booklet for
XYZ(20.2105, 22.6266, 24.4755)
contains.

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Color

**XYZ(20.1621, 22.5838,
24.4156)**

Conversions

Conversions Part 1

Format	Color
Hex	778682
RGB	119, 134, 130
RGB Percent	47%, 53%, 51%
CMY	0.5333, 0.4745, 0.4902
CMYK	0.11, 0.00, 0.03, 0.47
HSL	164°, 6%, 50%
HSV	164°, 11%, 53%
XYZ	20.1621, 22.5838, 24.4156
YIQ	129.0590, -7.6560, -4.4240

Conversions

Conversions Part 2

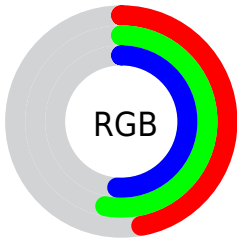
Format	Color
R_{YB}	119, 128, 134
Decimal	7833218
CIE Lab	54.64, -6.29, 0.29
CIE LCh	55, 6.297, 177.374
Yxy	22.5838, 0.3002, 0.3363
Android (android.graphics.Color)	4286023298 (0xFF778682)
YUV	129.0590, 0.4639, -8.8217
Hunter-Lab	47.5224, -7.4329, 2.8043

Details

The XYZ color **20.1621, 22.5838, 24.4156** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.0043, 19.6926, 21.4865**, and the grayscale version is **20.8877, 21.9755, 23.9314**.

A 20% lighter version of the original color is **43.1122, 47.6175, 51.7186**, and **7.1813, 8.2368, 8.9960** is the 20% darker color. If you saturate the color by 10%, you get **18.2155, 21.6082, 23.0940**, and if you desaturate by 10%, it is **22.3776, 23.6984, 25.7942**.

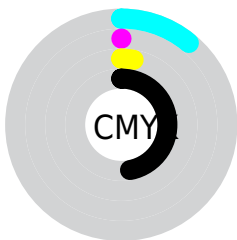
Distribution



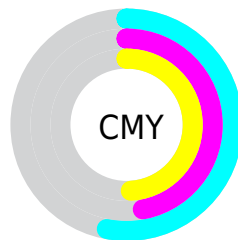
- Red (47%)
- Green (53%)
- Blue (51%)



- Red (47%)
- Yellow (50%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (47%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1621, 22.5838, 24.4156 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 20.1621, 22.5838, 24.4156 by changing the saturation by 10% instead.

■ 20.1621, 22.5838,
24.4156

■ 20.1621, 22.5838,
24.4156

245.6082,
265.5800, 288.2689

■ 12.6219, 14.2865,
15.4272

■ 43.1907, 47.7090,
51.6599

■ 7.2439, 8.3202,
8.9698

■ 59.4097, 65.3057,
70.7528

■ 3.6628, 4.3005,
4.6249

■ 79.2524, 86.7710,
94.0509

■ 1.5132, 1.8430,
1.9741

103.0841,
112.4893, 121.9728

■ 0.3348, 0.5138,
0.5393

131.2702,
142.8449, 154.9370

■ 0.0000, 0.0000,
0.0000

164.1760,

178.2223, 193.3620

202.1669,
219.0059, 237.6665

■ 20.1621, 22.5838,
24.4156

■ 20.1621, 22.5838,
24.4156

■ 18.2155, 21.6082,
23.0940

■ 22.3776, 23.6984,
25.7942

■ 16.5251, 20.7630,
21.8271

■ 24.8705, 24.9543,
27.2293

■ 15.0798, 20.0433,
20.6142

■ 27.6509, 26.3575,
28.7222

■ 13.8672, 19.4426,
19.4545

■ 30.7282, 27.9127,
30.2738

■ 12.8734, 18.9538,
18.3467

■ 34.1111, 29.6245,
31.8849

■ 12.0835, 18.5691,
17.2897

■ 37.8081, 31.4973,
33.5563

■ 11.4801, 18.2797,
16.2823

■ 41.8273, 33.5350,
35.2888

■ 11.0432, 18.0753,
15.3230

■ 46.1765, 35.7419,
37.0832

■ 10.7423, 17.9377,
14.5152

■ 50.8632, 38.1217,
38.9401

Harmonies

Analogous

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



20.3630, 22.5838, 22.5903



20.1621, 22.5838, 24.4156



20.3041, 22.5838, 26.3857

Triad

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



20.1621, 22.5838, 24.4156



22.0834, 22.5838, 28.1349



22.1913, 22.5838, 21.5154

Complementary

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



20.1621, 22.5838, 24.4156



20.0043, 19.6926, 21.4865

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.



22.6698, 22.5838, 22.8775



20.1621, 22.5838, 24.4156



22.6065, 22.5838, 26.7042

Square

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



20.1621, 22.5838, 24.4156



21.4043, 22.5838, 28.6003



22.8233, 22.5838, 24.7651



21.5263, 22.5838, 20.9731

Rectangle

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



20.1621, 22.5838, 24.4156



20.5759, 22.5838, 27.5045



22.8233, 22.5838, 24.7651



22.3798, 22.5838, 21.8888

Sweetspot

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



20.1627, 22.5848, 24.4161



38.6586, 41.3664, 44.9829



20.0598, 22.6125, 20.7605



8.6424, 9.2857, 10.0934



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.



20.1627, 22.5848, 24.4161



34.7674, 39.4109, 42.5216



19.9943, 21.8095, 25.7112



4.7500, 5.2582, 5.6947



10.0712, 16.8113, 13.6263



0.0379, 0.0595, 0.0632

Inverse Universe

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



20.0043, 19.6926, 21.4865



34.4407, 33.4474, 36.4814



20.1523, 20.3814, 20.3250



4.7198, 4.7076, 5.1370



9.5124, 4.8693, 2.0047



0.0356, 0.0179, 0.0211

Previews

White Background



This preview shows how the XYZ color 20.1621, 22.5838, 24.4156 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 20.1621, 22.5838, 24.4156 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

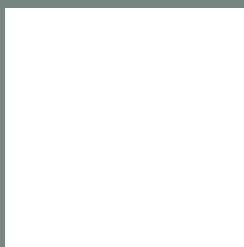
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1621, 22.5838, 24.4156

Background



This preview shows how black text looks on a background with the XYZ color 20.1621, 22.5838, 24.4156.



This preview shows how white text looks on a background with the XYZ color 20.1621, 22.5838,

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

20.1621, 22.5838, 24.4156

Protanopia

21.5518, 22.5103, 23.6311

Deuteranopia

22.9534, 22.4273, 24.9489



Tritanopia

21.0943, 22.5506, 29.2275

Trichromacy



Original Color

20.1621, 22.5838, 24.4156

Protanomaly

20.9808, 22.4068, 23.9880

Deuteranomaly

21.7785, 22.4075, 24.6500

Tritanomaly

20.7207, 22.6031, 27.3155

Monochromacy



Original Color

20.1621, 22.5838, 24.4156

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5362, 22.1776, 23.9672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1621, 22.5838, 24.4156 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(119, 134, 130)` looks like.

```
.text, #text, p{  
    color:rgb(119, 134, 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(119, 134, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 134, 130) }
```

Border

The CSS property to change the border of an element to XYZ 20.1621, 22.5838, 24.4156 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(119, 134, 130) }
```


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

```
.border{ border-color:rgb(119, 134, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 134, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 134, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 134, 130);  
box-shadow:4px 4px 4px 4px rgb(119, 134,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1621, 22.5838, 24.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 134, 130) }
```

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

```
.background{ background-color: rgb(119,  
134, 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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