

Converting Colors

XYZ(20.2728, 22.9998, 17.5583)

Have a look what the booklet for
XYZ(20.2728, 22.9998, 17.5583)
contains.

XYZ(20.2728, 22.9998, 17.5583)	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(20.2728, 22.9998,
17.5583)**

Conversions

Conversions Part 1

Format	Color
Hex	80876C
RGB	128, 135, 108
RGB Percent	50%, 53%, 42%
CMY	0.4980, 0.4706, 0.5765
CMYK	0.05, 0.00, 0.20, 0.47
HSL	76°, 11%, 48%
HSV	76°, 20%, 53%
XYZ	20.2728, 22.9998, 17.5583
YIQ	129.8290, 4.4950, -9.8810

Conversions

Conversions Part 2

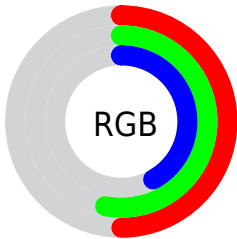
Format	Color
R_{YB}	108, 135, 115
Decimal	8423276
CIE _{Lab}	55.07, -7.60, 13.68
CIE _{LCh}	55, 15.649, 119.072
Yxy	22.9998, 0.3333, 0.3781
Android (android.graphics.Color)	4286613356 (0xFF80876C)
YUV	129.8290, -10.7617, -1.6040
Hunter-Lab	47.9581, -8.4714, 11.8636

Details

The XYZ color **20.2728, 22.9998, 17.5583** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.8069, 16.1199, 25.1485**, and the grayscale version is **21.1938, 22.2976, 24.2821**.

A 20% lighter version of the original color is **43.3844, 48.3283, 40.2994**, and **7.2886, 8.4855, 5.5287** is the 20% darker color. If you saturate the color by 10%, you get **19.0919, 22.4684, 14.0385**, and if you desaturate by 10%, it is **21.5844, 23.5871, 21.6660**.

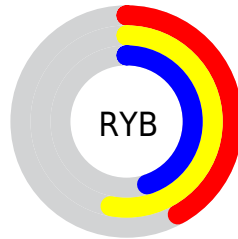
Distribution



Red (50%)

Green (53%)

Blue (42%)



Red (42%)

Yellow (53%)

Blue (45%)

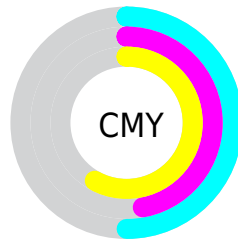


Cyan (5%)

Magenta (0%)

Yellow (20%)

Black (47%)



Cyan (50%)

Magenta (47%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2728, 22.9998, 17.5583 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 20.2728, 22.9998, 17.5583 by changing the saturation by 10% instead.

■ 20.2728, 22.9998,
17.5583

■ 20.2728, 22.9998,
17.5583

246.1937,
267.7240, 250.5214

■ 12.7029, 14.5934,
10.4672

■ 43.3745, 48.3930,
40.0869

■ 7.2999, 8.5345,
5.6002

■ 59.6371, 66.1485,
56.3616

■ 3.6983, 4.4388,
2.5387

■ 79.5279, 87.7893,
76.5344

■ 1.5329, 1.9219,
0.8606

■ 103.4124,
113.6995, 101.0241

■ 0.3481, 0.5615,
0.0000

131.6559,
144.2637, 130.2491

■ 0.0000, 0.0000,
0.0000

164.6236,

179.8663, 164.6279

202.6811,
220.8916, 204.5792

■ 20.2728, 22.9998,
17.5583

■ 20.2728, 22.9998,
17.5583

■ 19.0919, 22.4684,
14.0385

■ 21.5844, 23.5871,
21.6660

■ 18.0345, 21.9877,
11.0782

■ 23.0299, 24.2293,
26.3853

■ 17.0956, 21.5565,
8.6490

■ 24.6144, 24.9293,
31.7404

■ 16.2691, 21.1723,
6.7192

■ 26.3425, 25.6888,
37.7537

■ 15.5480, 20.8322,
5.2539

■ 28.2183, 26.5097,
44.4465

■ 14.9248, 20.5333,
4.2136

■ 30.2460, 27.3934,
51.8393

■ 14.3904, 20.2719,
3.5523

■ 32.4293, 28.3417,
59.9515

■ 13.9189, 20.0376,
3.1340

■ 34.7720, 29.3559,
68.8020

■ 37.2776, 30.4376,
78.4087

Harmonies

Analogous

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



21.9149, 22.9998, 16.6224



20.2728, 22.9998, 17.5583



19.1109, 22.9998, 20.4283

Triad

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



20.2728, 22.9998, 17.5583



20.1836, 22.9998, 34.2079



25.3844, 22.9998, 25.1985

Complementary

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



20.2728, 22.9998, 17.5583



16.8069, 16.1199, 25.1485

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.



24.8622, 22.9998, 30.3048



20.2728, 22.9998, 17.5583



21.8064, 22.9998, 35.9134

Square

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



20.2728, 22.9998, 17.5583



19.0613, 22.9998, 30.0003



23.5293, 22.9998, 34.3995



24.9214, 22.9998, 20.6640

Rectangle

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



20.2728, 22.9998, 17.5583



18.7334, 22.9998, 23.2677



23.5293, 22.9998, 34.3995



25.3178, 22.9998, 26.9061

Sweetspot

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



20.2734, 23.0008, 17.5588



39.6234, 42.6704, 41.9330



18.8015, 18.4388, 16.7558



9.1442, 9.8677, 9.6068



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.



20.2734, 23.0008, 17.5588



35.3159, 40.7437, 28.4557



18.4089, 22.0396, 17.4715



4.9250, 5.3639, 5.0051



12.8471, 18.4829, 2.8904



0.0513, 0.0675, 0.0103

Inverse Universe

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



16.8069, 16.1199, 25.1485



27.9379, 26.0962, 44.6129



18.6763, 17.0836, 25.2360



4.5394, 4.5987, 5.8491



4.6834, 1.9485, 21.2660



0.0222, 0.0099, 0.0740

Previews

White Background



This preview shows how the XYZ color 20.2728, 22.9998, 17.5583 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 20.2728, 22.9998, 17.5583 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

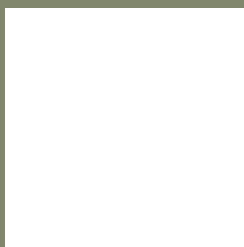
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2728, 22.9998, 17.5583

Background



This preview shows how black text looks on a background with the XYZ color 20.2728, 22.9998, 17.5583.



This preview shows how white text looks on a background with the XYZ color 20.2728, 22.9998,

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

20.2728, 22.9998, 17.5583

Protanopia

21.5330, 22.8487, 16.9110

Deuteranopia

23.3527, 22.9799, 17.9566



Tritanopia

22.5969, 23.1422, 28.4752

Trichromacy



Original Color

20.2728, 22.9998, 17.5583

Protanomaly

21.0584, 22.7983, 17.2005

Deuteranomaly

22.0706, 22.9090, 17.7266

Tritanomaly

21.5738, 22.9128, 24.0544

Monochromacy



Original Color

20.2728, 22.9998, 17.5583

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8174, 22.5748, 21.6725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2728, 22.9998, 17.5583 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, 135, 108)` looks like.

```
.text, #text, p{  
    color:rgb(128, 135, 108)  
}
```

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, 135, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 135, 108) }
```

Border

The CSS property to change the border of an element to XYZ 20.2728, 22.9998, 17.5583 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, 135, 108) }
```


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

```
.border{ border-color:rgb(128, 135, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 135, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 135, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 135, 108);  
box-shadow:4px 4px 4px 4px rgb(128, 135,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2728, 22.9998, 17.5583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 135, 108) }
```

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

```
.background{ background-color: rgb(128,  
135, 108) }
```

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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