

Converting Colors

XYZ(20.5675, 22.9137, 30.5332)

Have a look what the booklet for
XYZ(20.5675, 22.9137, 30.5332)
contains.

XYZ(20.5344, 22.8480, 30.5220)	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(20.5344, 22.8480,
30.5220)**

Conversions

Conversions Part 1

Format	Color
Hex	708792
RGB	112, 135, 146
RGB Percent	44%, 53%, 57%
CMY	0.5608, 0.4706, 0.4274
CMYK	0.23, 0.08, 0.00, 0.43
HSL	199°, 13%, 51%
HSV	199°, 23%, 57%
XYZ	20.5344, 22.8480, 30.5220
YIQ	129.3770, -17.2390, -1.4550

Conversions

Conversions Part 2

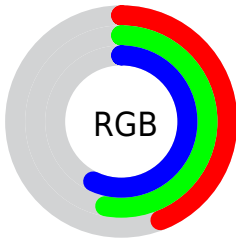
Format	Color
R_{YB}	112, 126, 146
Decimal	7374738
CIE _{Lab}	54.92, -5.65, -8.62
CIE _{LCh}	55, 10.310, 236.774
Yxy	22.8480, 0.2779, 0.3092
Android (android.graphics.Color)	4285564818 (0xFF708792)
YUV	129.3770, 8.1951, -15.2396
Hunter-Lab	47.7996, -6.9668, -4.3994

Details

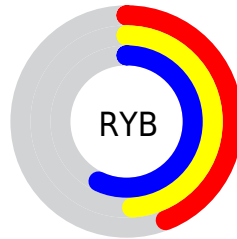
The XYZ color **20.5344, 22.8480, 30.5220** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.8620, 21.4470, 18.3173**, and the grayscale version is **20.9755, 22.0678, 24.0319**.

A 20% lighter version of the original color is **43.7184, 48.0291, 61.6099**, and **7.4097, 8.3983, 12.2968** is the 20% darker color. If you saturate the color by 10%, you get **18.1810, 20.6787, 30.2277**, and if you desaturate by 10%, it is **23.2197, 25.2330, 30.8412**.

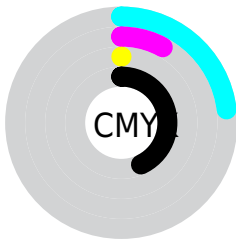
Distribution



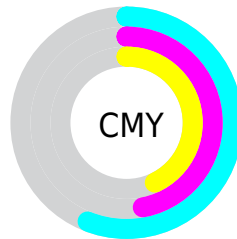
- Red (44%)
- Green (53%)
- Blue (57%)



- Red (44%)
- Yellow (49%)
- Blue (57%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)



- Cyan (56%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5344, 22.8480, 30.5220 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 20.5344, 22.8480, 30.5220 by changing the saturation by 10% instead.

■ 20.5344, 22.8480,
30.5220

■ 20.5344, 22.8480,
30.5220

247.5724,
266.9433, 318.6128

■ 12.8946, 14.4813,
19.9797

■ 43.8085, 48.1436,
61.5574

■ 7.4325, 8.4562,
12.1964

■ 60.1735, 65.8413,
82.8877

■ 3.7828, 4.3882,
6.7534

■ 80.1776, 87.4182,
108.6510

■ 1.5800, 1.8930,
3.2323

■ 104.1862,
113.2586, 139.2660

■ 0.3793, 0.5442,
1.2144

132.5646,
143.7469, 175.1511

■ 0.0000, 0.0000,
0.0000

165.6783,

179.2675, 216.7249

203.8924,
220.2049, 264.4060

■ 20.5344, 22.8480,
30.5220

■ 20.5344, 22.8480,
30.5220

■ 18.1810, 20.6787,
30.2277

■ 23.2197, 25.2330,
30.8412

■ 16.1425, 18.7139,
29.9559

■ 26.2487, 27.8385,
31.1845

■ 14.4036, 16.9459,
29.7063

■ 29.6351, 30.6728,
31.5531

■ 12.9466, 15.3650,
29.4779

■ 33.3913, 33.7428,
31.9476

■ 11.7520, 13.9604,
29.2698

■ 37.5291, 37.0549,
32.3689

■ 10.7975, 12.7201,
29.0807

■ 42.0596, 40.6156,
32.8174

■ 10.0567, 11.6299,
28.9093

■ 46.9935, 44.4308,
33.2937

■ 9.6286, 10.9557,
28.8017

■ 52.3413, 48.5063,
33.7985

■ 58.1127, 52.8478,
34.3323

Harmonies

Analogous

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



19.8130, 22.8480, 27.8215



20.5344, 22.8480, 30.5220



21.5929, 22.8480, 31.7046

Triad

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



20.5344, 22.8480, 30.5220



23.9850, 22.8480, 25.2334



20.7414, 22.8480, 19.6714

Complementary

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



20.5344, 22.8480, 30.5220



21.8620, 21.4470, 18.3173

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.



21.8402, 22.8480, 19.1085



20.5344, 22.8480, 30.5220



23.7378, 22.8480, 22.1490

Square

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



20.5344, 22.8480, 30.5220



23.6068, 22.8480, 28.4877



22.9428, 22.8480, 19.9758



19.9296, 22.8480, 21.5861

Rectangle

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



20.5344, 22.8480, 30.5220



22.3567, 22.8480, 31.4026



22.9428, 22.8480, 19.9758



21.0883, 22.8480, 19.3255

Sweetspot

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



20.5351, 22.8489, 30.5225



44.1717, 47.2907, 54.7735



20.5221, 25.4272, 22.4893



9.7674, 10.4696, 12.1782



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.5351, 22.8489, 30.5225



33.9621, 38.2400, 53.5646



18.3769, 18.5326, 29.8031



5.8076, 6.2491, 7.3698



8.4938, 9.6823, 25.3522



0.1308, 0.1721, 0.3192

Inverse Universe

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



22.0220, 19.4492, 25.5161



37.1057, 31.3140, 42.9212



24.1232, 25.9694, 19.0710



5.9563, 5.8776, 6.8761



12.4143, 6.1708, 10.9288



0.1655, 0.0809, 0.2051

Previews

White Background



This preview shows how the XYZ color 20.5344, 22.8480, 30.5220 looks on a white background.

Color Contrast Check

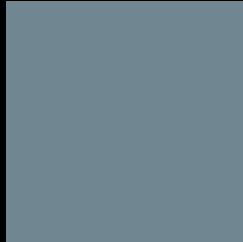
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5344, 22.8480, 30.5220 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

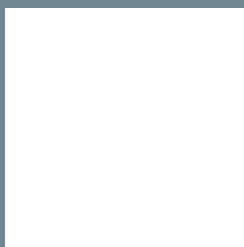
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5344, 22.8480, 30.5220

Background



This preview shows how black text looks on a background with the XYZ color 20.5344, 22.8480, 30.5220.



This preview shows how white text looks on a background with the XYZ color 20.5344, 22.8480,

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

20.5344, 22.8480, 30.5220

Protanopia

22.1465, 22.6943, 29.1998

Deuteranopia

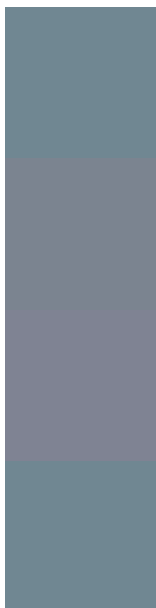
23.2178, 22.8107, 31.1962



Tritanopia

20.5344, 22.8480, 30.5220

Trichromacy



Original Color

20.5344, 22.8480, 30.5220

Protanomaly

21.4537, 22.7271, 29.6416

Deuteranomaly

22.1352, 22.8512, 30.8478

Tritanomaly

20.5344, 22.8480, 30.5220

Monochromacy



Original Color

20.5344, 22.8480, 30.5220

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6579, 22.1928, 26.1165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5344, 22.8480, 30.5220 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(112, 135, 146)` looks like.

```
.text, #text, p{  
    color:rgb(112, 135, 146)  
}
```

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(112, 135, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 135, 146) }
```

Border

The CSS property to change the border of an element to XYZ 20.5344, 22.8480, 30.5220 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(112, 135, 146) }
```


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

```
.border{ border-color:rgb(112, 135, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 135, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 135, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 135, 146);  
box-shadow:4px 4px 4px 4px rgb(112, 135,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5344, 22.8480, 30.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 135, 146) }
```

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

```
.background{ background-color: rgb(112,  
135, 146) }
```

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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