

Converting Colors

XYZ(20.7500, 22.5321, 30.1853)

Have a look what the booklet for
XYZ(20.7500, 22.5321, 30.1853)
contains.

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Color

**XYZ(20.7008, 22.5324,
30.0462)**

Conversions

Conversions Part 1

Format	Color
Hex	748591
RGB	116, 133, 145
RGB Percent	45%, 52%, 57%
CMY	0.5451, 0.4784, 0.4314
CMYK	0.20, 0.08, 0.00, 0.43
HSL	205°, 12%, 51%
HSV	205°, 20%, 57%
XYZ	20.7008, 22.5324, 30.0462
YIQ	129.2850, -13.9840, 0.1280

Conversions

Conversions Part 2

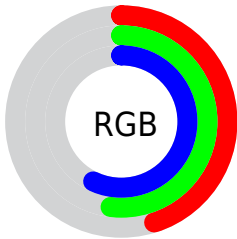
Format	Color
R_{YB}	116, 127, 145
Decimal	7636369
CIE _{Lab}	54.59, -3.43, -8.51
CIE _{LCh}	55, 9.171, 248.056
Yxy	22.5324, 0.2825, 0.3075
Android (android.graphics.Color)	4285826449 (0xFF748591)
YUV	129.2850, 7.7475, -11.6509
Hunter-Lab	47.4683, -5.2262, -4.3012

Details

The XYZ color **20.7008, 22.5324, 30.0462** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.5488, 22.7190, 19.7202**, and the grayscale version is **20.9439, 22.0346, 23.9957**.

A 20% lighter version of the original color is **44.0162, 47.5662, 60.8941**, and **7.5506, 8.3602, 12.0422** is the 20% darker color. If you saturate the color by 10%, you get **18.1239, 20.0198, 29.6974**, and if you desaturate by 10%, it is **23.6269, 25.2958, 30.4257**.

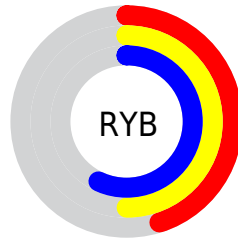
Distribution



Red (45%)

Green (52%)

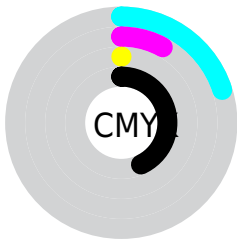
Blue (57%)



Red (45%)

Yellow (50%)

Blue (57%)

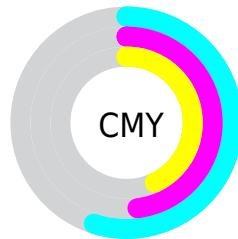


Cyan (20%)

Magenta (8%)

Yellow (0%)

Black (43%)



Cyan (55%)

Magenta (48%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7008, 22.5324, 30.0462 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 20.7008, 22.5324, 30.0462 by changing the saturation by 10% instead.

■ 20.7008, 22.5324,
30.0462

■ 20.7008, 22.5324,
30.0462

248.4460,
265.3141, 316.3337

■ 13.0167, 14.2486,
19.6213

■ 44.0841, 47.6244,
60.7971

■ 7.5171, 8.2938,
11.9387

■ 60.5140, 65.2014,
81.9602

■ 3.8367, 4.2835,
6.5799

■ 80.5898, 86.6449,
107.5398

■ 1.6102, 1.8334,
3.1264

104.6770,
112.3393, 137.9544

■ 0.3990, 0.5079,
1.1595

133.1408,
142.6691, 173.6225

■ 0.0000, 0.0000,
0.0000

166.3467,

178.0185, 214.9628

204.6600,
218.7721, 262.3937

■ 20.7008, 22.5324,
30.0462

■ 20.7008, 22.5324,
30.0462

■ 18.1239, 20.0198,
29.6974

■ 23.6269, 25.2958,
30.4257

■ 15.8794, 17.7466,
29.3769

■ 26.9138, 28.3154,
30.8353

■ 13.9523, 15.7042,
29.0843

■ 30.5753, 31.6000,
31.2763

■ 12.3252, 13.8826,
28.8184

■ 34.6237, 35.1570,
31.7495

■ 10.9793, 12.2708,
28.5783

■ 39.0707, 38.9934,
32.2557

■ 9.8931, 10.8565,
28.3625

■ 43.9275, 43.1162,
32.7954

■ 9.0417, 9.6255,
28.1698

■ 49.2049, 47.5318,
33.3696

■ 8.3602, 8.5430,
27.9968

■ 54.9133, 52.2465,
33.9788

■ 8.3602, 8.5429,
27.9967

■ 61.0626, 57.2666,
34.6236

Harmonies

Analogous

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



19.9274, 22.5324, 28.1140



20.7008, 22.5324, 30.0462



21.6889, 22.5324, 30.4453

Triad

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



20.7008, 22.5324, 30.0462



23.3916, 22.5324, 23.7649



20.2447, 22.5324, 20.4209

Complementary

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



20.7008, 22.5324, 30.0462



22.5488, 22.7190, 19.7202

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.



21.1461, 22.5324, 19.4421



20.7008, 22.5324, 30.0462



22.9777, 22.5324, 21.2715

Square

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



20.7008, 22.5324, 30.0462



23.2633, 22.5324, 26.6655



22.1482, 22.5324, 19.7408



19.6699, 22.5324, 22.5192

Rectangle

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



20.7008, 22.5324, 30.0462



22.3402, 22.5324, 29.7610



22.1482, 22.5324, 19.7408



20.5184, 22.5324, 19.9578

Sweetspot

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



20.7015, 22.5333, 30.0467



44.5142, 47.3402, 54.7650



21.1982, 25.5122, 24.0918



9.8307, 10.4649, 12.1740



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.



20.7015, 22.5333, 30.0467



34.9197, 38.2732, 53.5206



18.8986, 18.9276, 29.4458



5.3757, 5.7472, 6.8548



7.1967, 7.3794, 24.0221



0.0906, 0.1141, 0.2369

Inverse Universe

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



22.1566, 20.2045, 24.9234



38.0485, 33.4502, 42.4631



24.5177, 26.6569, 20.3765



5.5331, 5.4738, 6.3054



11.4357, 5.7313, 7.9455



0.1203, 0.0592, 0.1339

Previews

White Background



This preview shows how the XYZ color 20.7008, 22.5324, 30.0462 looks on a white background.

Color Contrast Check

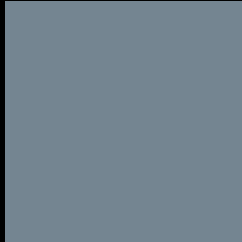
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7008, 22.5324, 30.0462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

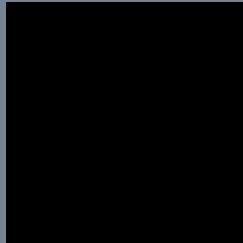
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

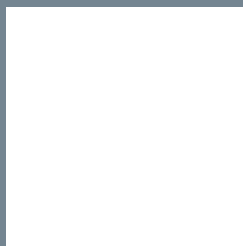
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7008, 22.5324, 30.0462

Background



This preview shows how black text looks on a background with the XYZ color 20.7008, 22.5324, 30.0462.



This preview shows how white text looks on a background with the XYZ color 20.7008, 22.5324,

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

20.7008, 22.5324, 30.0462

Protanopia

21.8614, 22.3508, 29.1485

Deuteranopia

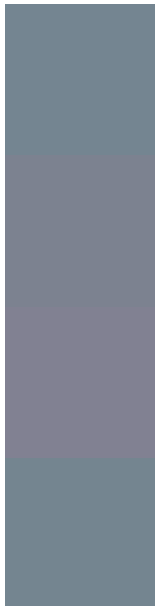
22.9310, 22.4883, 30.3262



Tritanopia

20.6240, 22.5017, 29.6418

Trichromacy



Original Color

20.7008, 22.5324, 30.0462

Protanomaly

21.3289, 22.2640, 29.5588

Deuteranomaly

22.0918, 22.4430, 30.3617

Tritanomaly

20.6240, 22.5017, 29.6418

Monochromacy



Original Color

20.7008, 22.5324, 30.0462

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6680, 21.9996, 26.0787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7008, 22.5324, 30.0462 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(116, 133, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 133, 145)  
}
```

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(116, 133, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 133, 145) }
```

Border

The CSS property to change the border of an element to XYZ 20.7008, 22.5324, 30.0462 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(116, 133, 145) }
```


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

```
.border{ border-color:rgb(116, 133, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 133, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 133, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 133, 145);  
box-shadow:4px 4px 4px 4px rgb(116, 133,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7008, 22.5324, 30.0462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 133, 145) }
```

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

```
.background{ background-color: rgb(116,  
133, 145) }
```

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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