

Converting Colors

XYZ(20.8727, 23.3943, 30.2463)

Have a look what the booklet for
XYZ(20.8727, 23.3943, 30.2463)
contains.

XYZ(20.8665, 23.4464, 30.2139)	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(20.8665, 23.4464,
30.2139)**

Conversions

Conversions Part 1

Format	Color
Hex	718991
RGB	113, 137, 145
RGB Percent	44%, 54%, 57%
CMY	0.5569, 0.4627, 0.4314
CMYK	0.22, 0.06, 0.00, 0.43
HSL	195°, 13%, 51%
HSV	195°, 22%, 57%
XYZ	20.8665, 23.4464, 30.2139
YIQ	130.7360, -16.8720, -2.6000

Conversions

Conversions Part 2

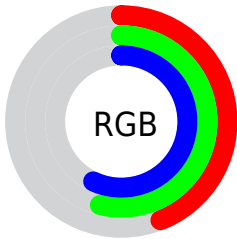
Format	Color
R_{YB}	113, 127, 145
Decimal	7440785
CIE _{Lab}	55.53, -6.69, -7.12
CIE _{LCh}	56, 9.770, 226.817
Yxy	23.4464, 0.2800, 0.3146
Android (android.graphics.Color)	4285630865 (0xFF718991)
YUV	130.7360, 7.0322, -15.5545
Hunter-Lab	48.4215, -7.8157, -3.1006

Details

The XYZ color **20.8665, 23.4464, 30.2139** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.4951, 20.8866, 18.5217**, and the grayscale version is **21.4598, 22.5774, 24.5868**.

A 20% lighter version of the original color is **44.2393, 48.9498, 61.1494**, and **7.5881, 8.7326, 12.1121** is the 20% darker color. If you saturate the color by 10%, you get **18.6417, 21.5480, 29.9651**, and if you desaturate by 10%, it is **23.4081, 25.5350, 30.4835**.

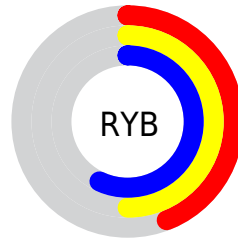
Distribution



Red (44%)

Green (54%)

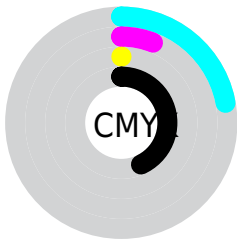
Blue (57%)



Red (44%)

Yellow (50%)

Blue (57%)

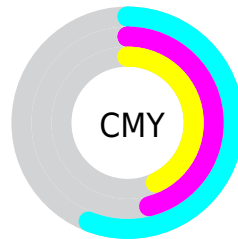


Cyan (22%)

Magenta (6%)

Yellow (0%)

Black (43%)



Cyan (56%)

Magenta (46%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8665, 23.4464, 30.2139 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 20.8665, 23.4464, 30.2139 by changing the saturation by 10% instead.

■ 20.8665, 23.4464,
30.2139

■ 20.8665, 23.4464,
30.2139

249.3133,
270.0096, 317.1385

■ 13.1384, 14.9235,
19.7476

■ 44.3582, 49.1253,
61.0653

■ 7.6015, 8.7657,
12.0294

■ 60.8525, 67.0500,
82.2874

■ 3.8907, 4.5887,
6.6409

■ 80.9995, 88.8775,
107.9319

■ 1.6405, 2.0080,
3.1636

■ 105.1646,
114.9921, 138.4173

■ 0.4186, 0.6121,
1.1787

133.7132,
145.7782, 174.1621

■ 0.0000, 0.0000,
0.0000

167.0106,

181.6202, 215.5849

205.4222,
222.9026, 263.1042

■ 20.8665, 23.4464,
30.2139

■ 20.8665, 23.4464,
30.2139

■ 18.6417, 21.5480,
29.9651

■ 23.4081, 25.5350,
30.4835

■ 16.7172, 19.8294,
29.7348

■ 26.2778, 27.8180,
30.7729

■ 15.0784, 18.2832,
29.5228

■ 29.4888, 30.3031,
31.0833

■ 13.7084, 16.9005,
29.3281

■ 33.0529, 32.9967,
31.4154

■ 12.5885, 15.6714,
29.1499

■ 36.9816, 35.9049,
31.7697

■ 11.6972, 14.5846,
28.9871

■ 41.2855, 39.0334,
32.1467

■ 11.0096, 13.6269,
28.8384

■ 45.9750, 42.3878,
32.5470

■ 10.5540, 12.9306,
28.7281

■ 51.0600, 45.9734,
32.9711

■ 56.5500, 49.7955,
33.4194

Harmonies

Analogous

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



20.3180, 23.4464, 27.3251



20.8665, 23.4464, 30.2139



21.8054, 23.4464, 31.9041

Triad

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



20.8665, 23.4464, 30.2139



24.4122, 23.4464, 26.9380



21.6778, 23.4464, 20.1505

Complementary

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



20.8665, 23.4464, 30.2139



21.4951, 20.8866, 18.5217

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.



22.7718, 23.4464, 20.0655



20.8665, 23.4464, 30.2139



24.3752, 23.4464, 23.8136

Square

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



20.8665, 23.4464, 30.2139



23.8659, 23.4464, 29.9105



23.7666, 23.4464, 21.3555



20.7757, 23.4464, 21.5980

Rectangle

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



20.8665, 23.4464, 30.2139



22.5375, 23.4464, 32.0401



23.7666, 23.4464, 21.3555



22.0346, 23.4464, 19.9660

Sweetspot

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



20.8672, 23.4474, 30.2144



44.3749, 47.6969, 54.8412



20.3543, 25.1293, 21.6961



9.8156, 10.5660, 12.1943



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.



20.8672, 23.4474, 30.2144



35.5184, 40.4278, 53.9049



18.8236, 19.3601, 29.5332



5.4477, 5.8912, 6.8788



9.0736, 11.1332, 24.6478



0.1042, 0.1413, 0.2415

Inverse Universe

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



22.0980, 19.6365, 26.2936



38.1171, 32.5830, 45.5820



23.5281, 24.9524, 19.1993



5.5695, 5.4883, 6.4967



12.3830, 6.1102, 12.9344



0.1272, 0.0619, 0.1700

Previews

White Background



This preview shows how the XYZ color 20.8665, 23.4464, 30.2139 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 20.8665, 23.4464, 30.2139 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

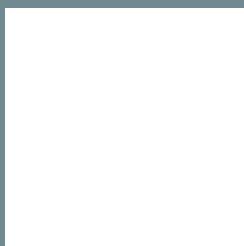
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8665, 23.4464, 30.2139

Background



This preview shows how black text looks on a background with the XYZ color 20.8665, 23.4464, 30.2139.



This preview shows how white text looks on a background with the XYZ color 20.8665, 23.4464,

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

20.8665, 23.4464, 30.2139

Protanopia

22.6495, 23.3611, 28.9066

Deuteranopia

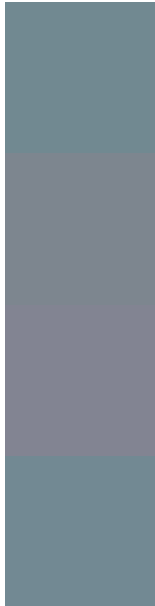
23.7642, 23.2961, 30.8478



Tritanopia

21.2304, 23.6068, 31.4546

Trichromacy



Original Color

20.8665, 23.4464, 30.2139

Protanomaly

21.9405, 23.3933, 29.3456

Deuteranomaly

22.6455, 23.3237, 30.5025

Tritanomaly

21.1516, 23.5753, 31.0394

Monochromacy



Original Color

20.8665, 23.4464, 30.2139

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.1436, 22.8377, 26.5863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8665, 23.4464, 30.2139 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(113, 137, 145)` looks like.

```
.text, #text, p{  
    color:rgb(113, 137, 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(113, 137, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 137, 145) }
```

Border

The CSS property to change the border of an element to XYZ 20.8665, 23.4464, 30.2139 is called "border". The border property can be set on classes, ids or directly on the HTML element.

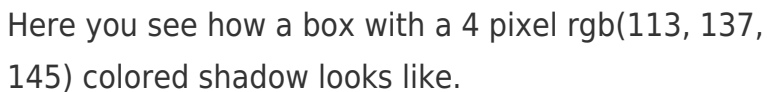
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 137, 145) }
```


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

```
.border{ border-color:rgb(113, 137, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 137, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 137, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 137, 145);  
box-shadow:4px 4px 4px 4px rgb(113, 137,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8665, 23.4464, 30.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 137, 145) }
```

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

```
.background{ background-color: rgb(113,  
137, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor