

Converting Colors

XYZ(20.8587, 24.8128, 41.7202)

Have a look what the booklet for
XYZ(20.8587, 24.8128, 41.7202)
contains.

XYZ(20.7962, 24.6878, 41.6994)	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(20.7962, 24.6878,
41.6994)**

Conversions

Conversions Part 1

Format	Color
Hex	5390AA
RGB	83, 144, 170
RGB Percent	33%, 56%, 67%
CMY	0.6745, 0.4353, 0.3333
CMYK	0.51, 0.15, 0.00, 0.33
HSL	198°, 34%, 50%
HSV	198°, 51%, 67%
XYZ	20.7962, 24.6878, 41.6994
YIQ	128.7250, -44.7020, -4.8460

Conversions

Conversions Part 2

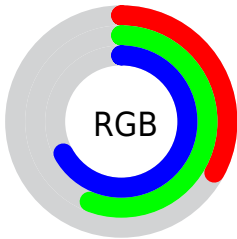
Format	Color
R _Y B	83, 119, 170
Decimal	5476522
CIE Lab	56.77, -12.37, -19.77
CIE LCh	57, 23.327, 237.965
Yxy	24.6878, 0.2385, 0.2832
Android (android.graphics.Color)	4283666602 (0xFF5390AA)
YUV	128.7250, 20.3486, -40.1008
Hunter-Lab	49.6868, -12.2415, -14.9780

Details

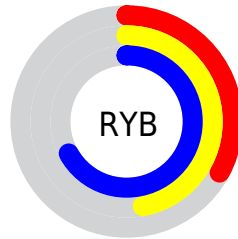
The XYZ color **20.7962, 24.6878, 41.6994** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.6081, 20.1084, 10.8213**, and the grayscale version is **20.7131, 21.7918, 23.7313**.

A 20% lighter version of the original color is **44.2659, 51.2277, 78.7890**, and **7.6036, 9.4840, 18.5694** is the 20% darker color. If you saturate the color by 10%, you get **18.7241, 22.5034, 41.3874**, and if you desaturate by 10%, it is **23.2723, 27.1329, 42.0413**.

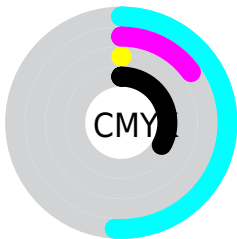
Distribution



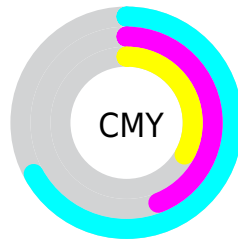
- Red (33%)
- Green (56%)
- Blue (67%)



- Red (33%)
- Yellow (47%)
- Blue (67%)



- Cyan (51%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7962, 24.6878, 41.6994 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 20.7962, 24.6878, 41.6994 by changing the saturation by 10% instead.

■ 20.7962, 24.6878,
41.6994

■ 20.7962, 24.6878,
41.6994

248.9457,
276.2796, 368.9982

■ 13.0867, 15.8446,
28.5422

■ 44.2419, 51.1503,
79.0096

■ 7.5657, 9.4143,
18.4922

■ 60.7089, 69.5384,
103.9998

■ 3.8678, 5.0124,
11.1308

■ 80.8258, 91.8769,
133.7712

■ 1.6276, 2.2545,
6.0396

■ 104.9579,
118.5502, 168.7426

■ 0.4103, 0.7495,
2.8000

■ 133.4705,
149.9428, 209.3325

■ 0.0000, 0.0000,
0.9934

166.7292,

■ 0.0000, 0.0000,

186.4389, 255.9593

0.0000

205.0991,
228.4230, 309.0417

■ 20.7962, 24.6878,
41.6994

■ 20.7962, 24.6878,
41.6994

■ 18.7241, 22.5034,
41.3874

■ 23.2723, 27.1329,
42.0413

■ 17.0258, 20.5618,
41.1022

■ 26.1749, 29.8496,
42.4127

■ 15.6704, 18.8472,
40.8427

■ 29.5279, 32.8510,
42.8153

■ 14.6206, 17.3394,
40.6070

■ 33.3525, 36.1490,
43.2503

■ 13.8762, 16.1430,
40.4153

■ 37.6683, 39.7541,
43.7187

■ 42.4942, 43.6767,
44.2215

■ 47.8476, 47.9265,
44.7596

■ 53.7453, 52.5127,
45.3340

■ 60.2033, 57.4440,
45.9455

Harmonies

Analogous

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



19.1382, 24.6878, 34.5424



20.7962, 24.6878, 41.6994



23.2796, 24.6878, 44.8210

Triad

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



20.7962, 24.6878, 41.6994



29.0954, 24.6878, 27.4167



21.0947, 24.6878, 15.6939

Complementary

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



20.7962, 24.6878, 41.6994



23.6081, 20.1084, 10.8213

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.



23.6514, 24.6878, 14.5087



20.7962, 24.6878, 41.6994



28.3993, 24.6878, 20.4452

Square

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



20.7962, 24.6878, 41.6994



28.1887, 24.6878, 35.6438



26.3529, 24.6878, 16.0687



19.3009, 24.6878, 19.6865

Rectangle

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



20.7962, 24.6878, 41.6994



25.1171, 24.6878, 43.8140



26.3529, 24.6878, 16.0687



21.8870, 24.6878, 14.9923

Sweetspot

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



20.7970, 24.6887, 41.7000



57.5649, 63.0697, 78.1416



20.6308, 31.6643, 19.1151



12.5208, 13.7919, 17.3899



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.7970, 24.6887, 41.7000



33.6577, 40.4832, 75.0420



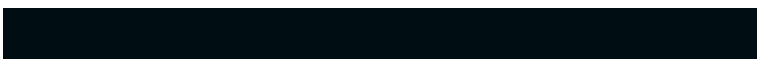
15.5603, 14.2153, 39.9544



7.5555, 8.1478, 9.5928



10.2577, 11.9755, 29.7464



0.2910, 0.3742, 0.7375

Inverse Universe

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



24.7055, 16.7469, 28.3169



41.8303, 25.5981, 46.6722



29.2303, 31.3528, 12.6954



7.7450, 7.6278, 8.9742



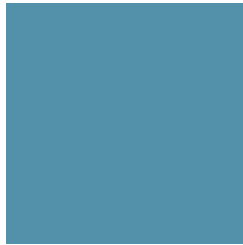
14.6782, 7.2800, 13.6488



0.3780, 0.1855, 0.4422

Previews

White Background



This preview shows how the XYZ color 20.7962, 24.6878, 41.6994 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 20.7962, 24.6878, 41.6994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

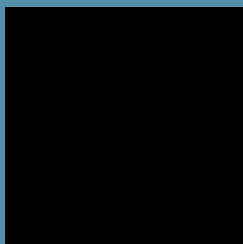
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7962, 24.6878, 41.6994

Background



This preview shows how black text looks on a background with the XYZ color 20.7962, 24.6878, 41.6994.



This preview shows how white text looks on a background with the XYZ color 20.7962, 24.6878,

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

20.7962, 24.6878, 41.6994

Protanopia

24.1892, 24.3617, 38.0777

Deuteranopia

24.8872, 24.4207, 42.4317



Tritanopia

19.6749, 24.6887, 36.0762

Trichromacy



Original Color

20.7962, 24.6878, 41.6994

Protanomaly

22.6535, 24.3749, 39.5872

Deuteranomaly

22.9784, 24.2763, 42.0028

Tritanomaly

19.9553, 24.5649, 37.8722

Monochromacy



Original Color

20.7962, 24.6878, 41.6994

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.2412, 22.5086, 29.6633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7962, 24.6878, 41.6994 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(83, 144, 170)` looks like.

```
.text, #text, p{  
    color:rgb(83, 144, 170)  
}
```

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(83, 144, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 144, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.7962, 24.6878, 41.6994 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(83, 144, 170) }
```


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

```
.border{ border-color:rgb(83, 144, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 144, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 144, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 144, 170);  
box-shadow:4px 4px 4px 4px rgb(83, 144,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7962, 24.6878, 41.6994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 144, 170) }
```

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

```
.background{ background-color: rgb(83, 144,  
170) }
```

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