

Converting Colors

XYZ(20.9020, 22.6325, 41.7103)

Have a look what the booklet for
XYZ(20.9020, 22.6325, 41.7103)
contains.

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Color

**XYZ(20.9128, 22.5871,
41.7856)**

Conversions

Conversions Part 1

Format	Color
Hex	6286AB
RGB	98, 134, 171
RGB Percent	38%, 53%, 67%
CMY	0.6157, 0.4745, 0.3294
CMYK	0.43, 0.22, 0.00, 0.33
HSL	210°, 30%, 53%
HSV	210°, 43%, 67%
XYZ	20.9128, 22.5871, 41.7856
YIQ	127.4540, -33.3330, 3.8750

Conversions

Conversions Part 2

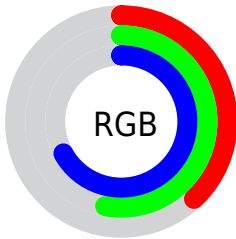
Format	Color
R _Y B	98, 122, 171
Decimal	6457003
CIE Lab	54.64, -2.65, -23.54
CIE LCh	55, 23.688, 263.578
Yxy	22.5871, 0.2452, 0.2648
Android (android.graphics.Color)	4284647083 (0xFF6286AB)
YUV	127.4540, 21.4682, -25.8312
Hunter-Lab	47.5259, -4.6250, -18.8607

Details

The XYZ color **20.9128, 22.5871, 41.7856** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.6638, 26.8685, 15.2843**, and the grayscale version is **20.2662, 21.3216, 23.2192**.

A 20% lighter version of the original color is **44.4467, 47.7070, 78.8173**, and **7.6605, 8.3868, 18.6678** is the 20% darker color. If you saturate the color by 10%, you get **18.1119, 19.4376, 41.3257**, and if you desaturate by 10%, it is **24.2075, 26.1380, 42.2977**.

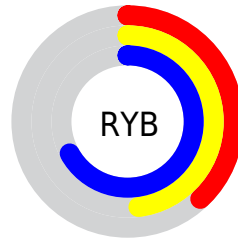
Distribution



Red (38%)

Green (53%)

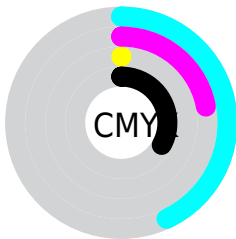
Blue (67%)



Red (38%)

Yellow (48%)

Blue (67%)

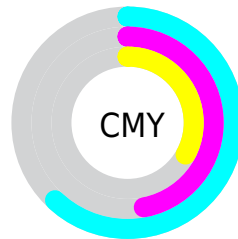


Cyan (43%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (62%)

Magenta (47%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9128, 22.5871, 41.7856 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 20.9128, 22.5871, 41.7856 by changing the saturation by 10% instead.

■ 20.9128, 22.5871,
41.7856

■ 20.9128, 22.5871,
41.7856

249.5552,
265.5971, 369.3668

■ 13.1724, 14.2889,
28.6091

■ 44.4347, 47.7144,
79.1416

■ 7.6252, 8.3219,
18.5423

■ 60.9470, 65.3124,
104.1583

■ 3.9058, 4.3016,
11.1666

■ 81.1138, 86.7791,
133.9587

■ 1.6490, 1.8437,
6.0634

■ 105.3007,
112.4989, 168.9615

■ 0.4240, 0.5142,
2.8143

133.8729,
142.8562, 209.5851

■ 0.0000, 0.0000,
1.0006

167.1958,

■ 0.0000, 0.0000,

178.2354, 256.2482

0.0000

205.6348,
219.0209, 309.3693

■ 20.9128, 22.5871,
41.7856

■ 20.9128, 22.5871,
41.7856

■ 18.1119, 19.4376,
41.3257

■ 24.2075, 26.1380,
42.2977

■ 15.7750, 16.6690,
40.9145

■ 28.0192, 30.1040,
42.8624

■ 13.8720, 14.2629,
40.5504

■ 32.3722, 34.5014,
43.4817

■ 12.3682, 12.1974,
40.2309

■ 37.2883, 39.3447,
44.1575

■ 11.2221, 10.4474,
39.9536

■ 42.7883, 44.6475,
44.8911

■ 10.5467, 9.3321,
39.7739

■ 48.8919, 50.4231,
45.6842

■ 55.6176, 56.6838,
46.5382

■ 62.9834, 63.4417,
47.4544

■ 71.0062, 70.7083,
48.4341

Harmonies

Analogous

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



18.6289, 22.5871, 38.0407



20.9128, 22.5871, 41.7856



23.5354, 22.5871, 40.2280

Triad

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



20.9128, 22.5871, 41.7856



26.3955, 22.5871, 19.2890



17.6839, 22.5871, 17.0200

Complementary

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



20.9128, 22.5871, 41.7856



27.6638, 26.8685, 15.2843

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.



19.5260, 22.5871, 13.6473



20.9128, 22.5871, 41.7856



24.5826, 22.5871, 14.7601

Square

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



20.9128, 22.5871, 41.7856



26.8420, 22.5871, 26.2337



22.0337, 22.5871, 12.9128



16.8645, 22.5871, 23.0232

Rectangle

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



20.9128, 22.5871, 41.7856



25.1106, 22.5871, 36.5218



22.0337, 22.5871, 12.9128



18.1965, 22.5871, 15.5943

Sweetspot

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



20.9135, 22.5880, 41.7861



57.5286, 61.3428, 77.8101



23.9387, 33.4583, 27.9347



12.4377, 13.2877, 17.2969



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.



20.9135, 22.5880, 41.7861



32.8010, 35.2299, 74.0731



16.7562, 14.2732, 40.4003



7.8928, 8.3850, 10.1552



8.0031, 7.1401, 30.0009



0.2775, 0.3084, 0.8529

Inverse Universe

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



25.4660, 19.1154, 24.9025



42.2620, 29.0792, 38.7460



33.5626, 38.6661, 17.2505



8.1637, 8.0787, 9.1728



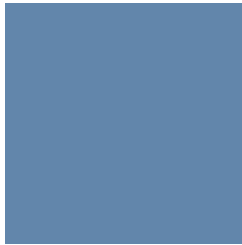
13.9032, 7.0238, 7.1359



0.4145, 0.2065, 0.3444

Previews

White Background



This preview shows how the XYZ color 20.9128, 22.5871, 41.7856 looks on a white background.

Color Contrast Check

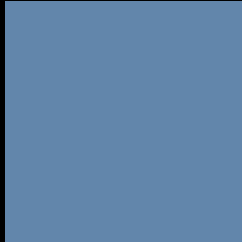
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9128, 22.5871, 41.7856 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

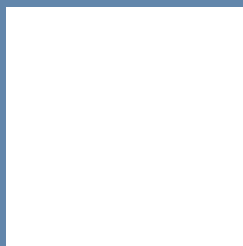
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9128, 22.5871, 41.7856

Background



This preview shows how black text looks on a background with the XYZ color 20.9128, 22.5871, 41.7856.



This preview shows how white text looks on a background with the XYZ color 20.9128, 22.5871,

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

20.9128, 22.5871, 41.7856

Protanopia

22.5710, 22.4836, 39.7094

Deuteranopia

22.9113, 22.4100, 42.1477



Tritanopia

18.9269, 22.6222, 31.8027

Trichromacy



Original Color

20.9128, 22.5871, 41.7856

Protanomaly

21.8663, 22.5045, 40.2371

Deuteranomaly

22.1111, 22.3886, 42.1858

Tritanomaly

19.6476, 22.7053, 35.2453

Monochromacy



Original Color

20.9128, 22.5871, 41.7856

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.1430, 21.6614, 29.1060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9128, 22.5871, 41.7856 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(98, 134, 171)` looks like.

```
.text, #text, p{  
    color:rgb(98, 134, 171)  
}
```

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(98, 134, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 134, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.9128, 22.5871, 41.7856 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(98, 134, 171) }
```


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

```
.border{ border-color:rgb(98, 134, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 134, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 134, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 134, 171);  
box-shadow:4px 4px 4px 4px rgb(98, 134,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9128, 22.5871, 41.7856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 134, 171) }
```

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

```
.background{ background-color: rgb(98, 134,  
171) }
```

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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