

Converting Colors

XYZ(20.0883, 22.5653, 42.3265)

Have a look what the booklet for
XYZ(20.0883, 22.5653, 42.3265)
contains.

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Color

**XYZ(20.0883, 22.5653,
42.3265)**

Conversions

Conversions Part 1

Format	Color
Hex	5688AC
RGB	86, 136, 172
RGB Percent	34%, 53%, 67%
CMY	0.6627, 0.4667, 0.3255
CMYK	0.50, 0.21, 0.00, 0.33
HSL	205°, 34%, 51%
HSV	205°, 50%, 67%
XYZ	20.0883, 22.5653, 42.3265
YIQ	125.1540, -41.3560, 0.5960

Conversions

Conversions Part 2

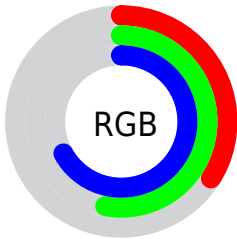
Format	Color
R _Y B	86, 118, 172
Decimal	5671084
CIE Lab	54.62, -6.57, -24.20
CIE LCh	55, 25.079, 254.809
Yxy	22.5653, 0.2364, 0.2655
Android (android.graphics.Color)	4283861164 (0xFF5688AC)
YUV	125.1540, 23.0951, -34.3381
Hunter-Lab	47.5029, -7.6451, -19.5770

Details

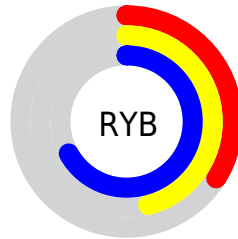
The XYZ color **20.0883, 22.5653, 42.3265** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.6532, 23.3624, 11.9623**, and the grayscale version is **19.4801, 20.4946, 22.3186**.

A 20% lighter version of the original color is **43.0164, 47.5721, 80.3139**, and **7.1968, 8.2585, 18.9840** is the 20% darker color. If you saturate the color by 10%, you get **17.7110, 19.8851, 41.9349**, and if you desaturate by 10%, it is **22.9163, 25.5799, 42.7597**.

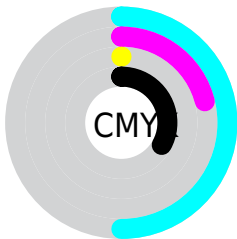
Distribution



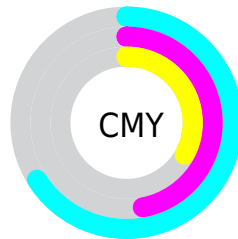
- Red (34%)
- Green (53%)
- Blue (67%)



- Red (34%)
- Yellow (46%)
- Blue (67%)



- Cyan (50%)
- Magenta (21%)
- Yellow (0%)
- Black (33%)



- Cyan (66%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0883, 22.5653, 42.3265 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 20.0883, 22.5653, 42.3265 by changing the saturation by 10% instead.

■ 20.0883, 22.5653,
42.3265

■ 20.0883, 22.5653,
42.3265

245.2172,
265.4844, 371.6741

■ 12.5679, 14.2729,
29.0296

■ 43.0680, 47.6786,
79.9689

■ 7.2066, 8.3107,
18.8574

■ 59.2580, 65.2682,
105.1515

■ 3.6391, 4.2944,
11.3915

■ 79.0685, 86.7256,
135.1331

■ 1.5001, 1.8396,
6.2134

■ 102.8650,
112.4353, 170.3321

■ 0.3259, 0.5117,
2.9044

131.0127,
142.7816, 211.1672

■ 0.0000, 0.0000,
1.0460

163.8771,

■ 0.0000, 0.0000,

178.1490, 258.0569

0.0000

201.8235,
218.9218, 311.4197

■ 20.0883, 22.5653,
42.3265

■ 20.0883, 22.5653,
42.3265

■ 17.7110, 19.8851,
41.9349

■ 22.9163, 25.5799,
42.7597

■ 15.7531, 17.5197,
41.5815

■ 26.2190, 28.9419,
43.2346

■ 14.1823, 15.4511,
41.2650

■ 30.0215, 32.6664,
43.7531

■ 12.9601, 13.6572,
40.9832

■ 34.3460, 36.7668,
44.3166

■ 12.0039, 12.0933,
40.7317

■ 39.2136, 41.2557,
44.9265

■ 12.0037, 12.0930,
40.7317

■ 44.6442, 46.1449,
45.5840

■ 50.6563, 51.4460,
46.2903

■ 57.2679, 57.1696,
47.0466

■ 64.4961, 63.3262,
47.8540

Harmonies

Analogous

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



17.9023, 22.5653, 36.8974



20.0883, 22.5653, 42.3265



22.8313, 22.5653, 42.3642

Triad

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



20.0883, 22.5653, 42.3265



26.9917, 22.5653, 20.8901



17.9244, 22.5653, 15.2960

Complementary

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



20.0883, 22.5653, 42.3265



25.6532, 23.3624, 11.9623

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.



20.1211, 22.5653, 12.6208



20.0883, 22.5653, 42.3265



25.4327, 22.5653, 15.3483

Square

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



20.0883, 22.5653, 42.3265



26.9810, 22.5653, 28.7667



22.8670, 22.5653, 12.6377



16.7278, 22.5653, 20.8023

Rectangle

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



20.0883, 22.5653, 42.3265



24.6183, 22.5653, 39.2620



22.8670, 22.5653, 12.6377



18.5617, 22.5653, 14.0937

Sweetspot

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



20.0891, 22.5661, 42.3270



58.0525, 62.6925, 79.8469



22.0935, 32.8851, 23.5421



12.2746, 13.2994, 17.3078



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.



20.0891, 22.5661, 42.3270



31.7119, 35.5849, 76.0029



15.2139, 12.8158, 40.7020



7.9511, 8.5015, 10.1746



8.9878, 9.1094, 30.3291



0.3025, 0.3584, 0.8612

Inverse Universe

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



24.7856, 17.2046, 25.3078



41.5721, 26.0118, 39.8946



32.1186, 36.2933, 14.1174



8.1931, 8.0905, 9.3277



14.4003, 7.2227, 9.7532



0.4271, 0.2115, 0.4108

Previews

White Background



This preview shows how the XYZ color 20.0883, 22.5653, 42.3265 looks on a white background.

Color Contrast Check

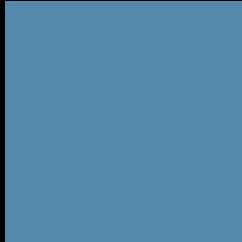
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0883, 22.5653, 42.3265 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

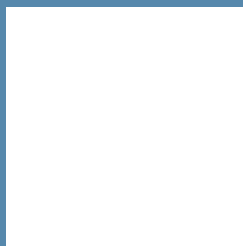
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0883, 22.5653, 42.3265

Background



This preview shows how black text looks on a background with the XYZ color 20.0883, 22.5653, 42.3265.

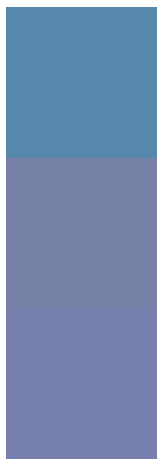


This preview shows how white text looks on a background with the XYZ color 20.0883, 22.5653,

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

20.0883, 22.5653, 42.3265

Protanopia

22.5710, 22.4836, 39.7094

Deuteranopia

22.9669, 22.4163, 43.1607



Tritanopia

18.1884, 22.6528, 32.6920

Trichromacy



Original Color

20.0883, 22.5653, 42.3265

Protanomaly

21.5970, 22.5552, 40.7514

Deuteranomaly

21.7225, 22.3755, 42.7092

Tritanomaly

18.9703, 22.7623, 36.1946

Monochromacy



Original Color

20.0883, 22.5653, 42.3265

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2883, 21.0330, 28.6344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0883, 22.5653, 42.3265 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(86, 136, 172) looks like.

```
.text, #text, p{  
  color:rgb(86, 136, 172)  
}
```

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(86, 136, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 136, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.0883, 22.5653, 42.3265 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(86, 136, 172) }
```


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

```
.border{ border-color:rgb(86, 136, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 136, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 136, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 136, 172);  
box-shadow:4px 4px 4px 4px rgb(86, 136,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0883, 22.5653, 42.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 136, 172) }
```

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

```
.background{ background-color: rgb(86, 136,  
172) }
```

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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