

Converting Colors

XYZ(20.5282, 22.6876, 45.0554)

Have a look what the booklet for
XYZ(20.5282, 22.6876, 45.0554)
contains.

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Color

**XYZ(20.4863, 22.7139,
44.8995)**

Conversions

Conversions Part 1

Format	Color
Hex	5588B1
RGB	85, 136, 177
RGB Percent	33%, 53%, 69%
CMY	0.6666, 0.4667, 0.3059
CMYK	0.52, 0.23, 0.00, 0.31
HSL	207°, 37%, 51%
HSV	207°, 52%, 69%
XYZ	20.4863, 22.7139, 44.8995
YIQ	125.4250, -43.5570, 1.9390

Conversions

Conversions Part 2

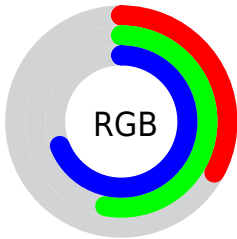
Format	Color
R _Y B	85, 118, 177
Decimal	5605553
CIE Lab	54.78, -5.28, -26.84
CIE LCh	55, 27.351, 258.860
Yxy	22.7139, 0.2325, 0.2578
Android (android.graphics.Color)	4283795633 (0xFF5588B1)
YUV	125.4250, 25.4265, -35.4527
Hunter-Lab	47.6591, -6.6751, -22.4956

Details

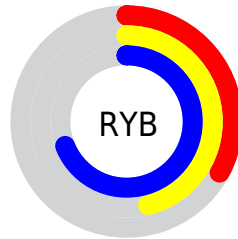
The XYZ color **20.4863, 22.7139, 44.8995** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.2329, 24.9258, 11.9711**, and the grayscale version is **19.5644, 20.5832, 22.4151**.

A 20% lighter version of the original color is **43.7208, 47.8538, 84.0232**, and **7.3668, 8.3175, 20.2859** is the 20% darker color. If you saturate the color by 10%, you get **18.0056, 19.8465, 44.4772**, and if you desaturate by 10%, it is **23.4522, 25.9537, 45.3690**.

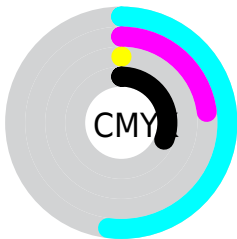
Distribution



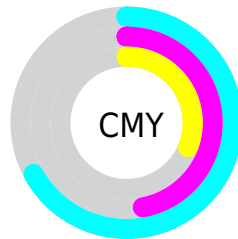
- Red (33%)
- Green (53%)
- Blue (69%)



- Red (33%)
- Yellow (46%)
- Blue (69%)



- Cyan (52%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)



- Cyan (67%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4863, 22.7139, 44.8995 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 20.4863, 22.7139, 44.8995 by changing the saturation by 10% instead.

■ 20.4863, 22.7139,
44.8995

■ 20.4863, 22.7139,
44.8995

247.3194,
266.2521, 382.5146

■ 12.8593, 14.3824,
31.0359

■ 43.7288, 47.9231,
83.8864

■ 7.4081, 8.3871,
20.3675

■ 60.0750, 65.5696,
109.8468

■ 3.7672, 4.3436,
12.4757

■ 80.0583, 87.0899,
140.6766

■ 1.5713, 1.8676,
6.9421

■ 104.0441,
112.8684, 176.7943

■ 0.3736, 0.5288,
3.3480

132.3978,
143.2895, 218.6184

■ 0.0000, 0.0000,
1.2750

165.4847,

■ 0.0000, 0.0000,

178.7375, 266.5674

0.0411

203.6701,
219.5969, 321.0600

■ 0.0000, 0.0000,
0.0000

■ 20.4863, 22.7139,
44.8995

■ 20.4863, 22.7139,
44.8995

■ 18.0056, 19.8465,
44.4772

■ 23.4522, 25.9537,
45.3690

■ 15.9755, 17.3297,
44.0984

■ 26.9302, 29.5810,
45.8858

■ 14.3601, 15.1428,
43.7615

■ 30.9476, 33.6127,
46.4522

■ 13.1158, 13.2606,
43.4637

■ 35.5291, 38.0640,
47.0700

■ 12.3147, 11.9320,
43.2495

■ 40.6977, 42.9490,
47.7404

■ 46.4753, 48.2811,
48.4651

■ 52.8823, 54.0733,
49.2454

■ 59.9383, 60.3376,
50.0827

■ 67.6621, 67.0858,
50.9781

Harmonies

Analogous

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



17.9895, 22.7139, 39.4887



20.4863, 22.7139, 44.8995



23.5209, 22.7139, 44.0426

Triad

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



20.4863, 22.7139, 44.8995



27.5632, 22.7139, 19.7359



17.5045, 22.7139, 15.3248

Complementary

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



20.4863, 22.7139, 44.8995



27.2329, 24.9258, 11.9711

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.



19.7657, 22.7139, 12.0964



20.4863, 22.7139, 44.8995



25.6389, 22.7139, 14.2026

Square

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



20.4863, 22.7139, 44.8995



27.8020, 22.7139, 28.0858



22.7303, 22.7139, 11.7402



16.3781, 22.7139, 21.6557

Rectangle

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



20.4863, 22.7139, 44.8995



25.4409, 22.7139, 40.0726



22.7303, 22.7139, 11.7402



18.1467, 22.7139, 13.9108

Sweetspot

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



20.4871, 22.7147, 44.9000



59.9774, 64.6503, 83.8129



23.1624, 34.8535, 24.8650



12.6440, 13.6665, 18.1158



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.4871, 22.7147, 44.9000



31.8150, 35.0256, 79.5791



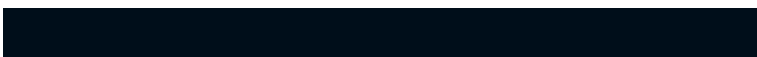
15.4355, 12.6116, 43.2162



8.4195, 8.9851, 10.7969



8.9836, 8.7677, 31.3558



0.3398, 0.3901, 1.0056

Inverse Universe

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



25.8246, 17.6226, 25.3337



42.7890, 26.3472, 38.9486



34.3095, 39.0791, 14.3300



8.6869, 8.5815, 9.8497



14.7692, 7.4252, 9.2104



0.4935, 0.2452, 0.4416

Previews

White Background



This preview shows how the XYZ color 20.4863, 22.7139, 44.8995 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 20.4863, 22.7139, 44.8995 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

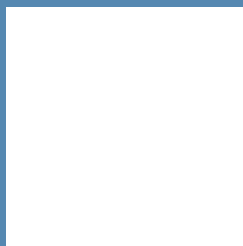
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4863, 22.7139, 44.8995

Background



This preview shows how black text looks on a background with the XYZ color 20.4863, 22.7139, 44.8995.

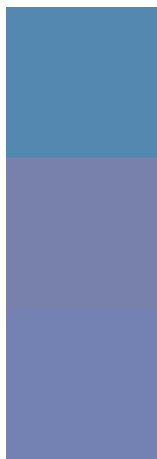


This preview shows how white text looks on a background with the XYZ color 20.4863, 22.7139,

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

20.4863, 22.7139, 44.8995

Protanopia

22.9044, 22.6010, 42.1850

Deuteranopia

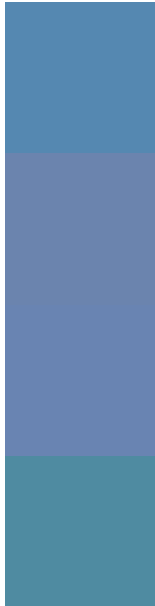
23.1894, 22.6682, 45.8010



Tritanopia

18.1729, 22.8533, 33.1591

Trichromacy



Original Color

20.4863, 22.7139, 44.8995

Protanomaly

21.9547, 22.6843, 43.2658

Deuteranomaly

22.1128, 22.7201, 45.3394

Tritanomaly

18.8901, 22.7007, 37.1043

Monochromacy



Original Color

20.4863, 22.7139, 44.8995

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3147, 21.0291, 29.4266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4863, 22.7139, 44.8995 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(85, 136, 177)` looks like.

```
.text, #text, p{  
    color:rgb(85, 136, 177)  
}
```

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(85, 136, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 136, 177) }
```

Border

The CSS property to change the border of an element to XYZ 20.4863, 22.7139, 44.8995 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(85, 136, 177) }
```


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

```
.border{ border-color:rgb(85, 136, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 136, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 136, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 136, 177);  
box-shadow:4px 4px 4px 4px rgb(85, 136,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4863, 22.7139, 44.8995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 136, 177) }
```

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

```
.background{ background-color: rgb(85, 136,  
177) }
```

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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