

Converting Colors

XYZ(20.8994, 22.7051, 45.6644)

Have a look what the booklet for
XYZ(20.8994, 22.7051, 45.6644)
contains.

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Color

**XYZ(20.9205, 22.7065,
45.9280)**

Conversions

Conversions Part 1

Format	Color
Hex	5987B3
RGB	89, 135, 179
RGB Percent	35%, 53%, 70%
CMY	0.6510, 0.4706, 0.2980
CMYK	0.50, 0.25, 0.00, 0.30
HSL	209°, 37%, 53%
HSV	209°, 50%, 70%
XYZ	20.9205, 22.7065, 45.9280
YIQ	126.2620, -41.5400, 3.9320

Conversions

Conversions Part 2

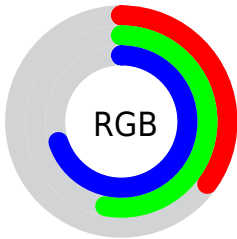
Format	Color
R _Y B	89, 119, 179
Decimal	5867443
CIE Lab	54.77, -3.15, -27.98
CIE LCh	55, 28.154, 263.580
Yxy	22.7065, 0.2336, 0.2535
Android (android.graphics.Color)	4284057523 (0xFF5987B3)
YUV	126.2620, 25.9998, -32.6788
Hunter-Lab	47.6513, -5.0225, -23.7898

Details

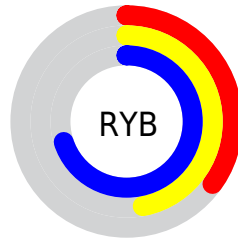
The XYZ color **20.9205, 22.7065, 45.9280** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.7818, 27.0809, 13.1623**, and the grayscale version is **19.8454, 20.8789, 22.7372**.

A 20% lighter version of the original color is **44.4802, 47.8939, 85.4973**, and **7.6588, 8.4532, 20.9666** is the 20% darker color. If you saturate the color by 10%, you get **18.2359, 19.5842, 45.4673**, and if you desaturate by 10%, it is **24.1246, 26.2465, 46.4428**.

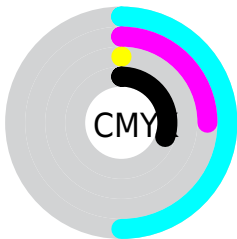
Distribution



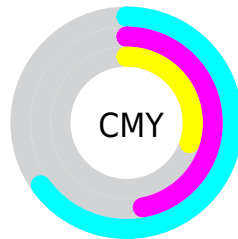
- Red (35%)
- Green (53%)
- Blue (70%)



- Red (35%)
- Yellow (47%)
- Blue (70%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (30%)



- Cyan (65%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9205, 22.7065, 45.9280 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 20.9205, 22.7065, 45.9280 by changing the saturation by 10% instead.

■ 20.9205, 22.7065,
45.9280

■ 20.9205, 22.7065,
45.9280

249.5954,
266.2139, 386.7883

■ 13.1780, 14.3769,
31.8408

■ 44.4475, 47.9109,
85.4444

■ 7.6291, 8.3833,
20.9761

■ 60.9627, 65.5546,
111.7106

■ 3.9083, 4.3412,
12.9154

■ 81.1328, 87.0718,
142.8735

■ 1.6504, 1.8662,
7.2403

■ 105.3233,
112.8469, 179.3518

■ 0.4249, 0.5279,
3.5321

133.8994,
143.2642, 221.5638

■ 0.0000, 0.0000,
1.3723

167.2266,

■ 0.0000, 0.0000,

178.7082, 269.9282

0.1200

205.6701,
219.5633, 324.8635

■ 0.0000, 0.0000,
0.0000

■ 20.9205, 22.7065,
45.9280

■ 20.9205, 22.7065,
45.9280

■ 18.2359, 19.5842,
45.4673

■ 24.1246, 26.2465,
46.4428

■ 16.0354, 16.8565,
45.0567

■ 27.8760, 30.2206,
47.0122

■ 14.2821, 14.5011,
44.6945

■ 32.2030, 34.6472,
47.6386

■ 12.9322, 12.4915,
44.3778

■ 37.1312, 39.5428,
48.3238

■ 11.9198, 10.8207,
44.1086

■ 42.6845, 44.9228,
49.0695

■ 48.8857, 50.8020,
49.8775

■ 55.7561, 57.1943,
50.7492

■ 63.3161, 64.1131,
51.6862

■ 71.5853, 71.5713,
52.6900

Harmonies

Analogous

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



18.2249, 22.7065, 41.2103



20.9205, 22.7065, 45.9280



24.0616, 22.7065, 43.9596

Triad

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



20.9205, 22.7065, 45.9280



27.5350, 22.7065, 18.4899



17.1215, 22.7065, 15.8911

Complementary

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



20.9205, 22.7065, 45.9280



28.7818, 27.0809, 13.1623

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.



19.2786, 22.7065, 12.1215



20.9205, 22.7065, 45.9280



25.3277, 22.7065, 13.3508

Square

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



20.9205, 22.7065, 45.9280



28.0815, 22.7065, 26.6871



22.2570, 22.7065, 11.3182



16.1715, 22.7065, 22.8587

Rectangle

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



20.9205, 22.7065, 45.9280



25.9690, 22.7065, 39.3091



22.2570, 22.7065, 11.3182



17.7189, 22.7065, 14.2826

Sweetspot

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



20.9213, 22.7073, 45.9285



61.9709, 66.3498, 85.9217



24.4398, 36.0443, 27.6797



13.3274, 14.2990, 18.9798



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.9213, 22.7073, 45.9285



32.3408, 34.6912, 81.3727



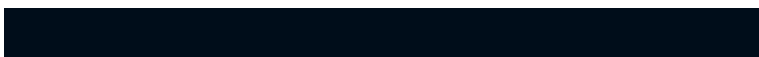
15.9558, 12.7764, 44.2734



8.3890, 8.9243, 10.7867



8.4884, 7.7771, 31.1907



0.3253, 0.3611, 1.0008

Inverse Universe

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



26.5367, 18.4786, 25.0906



43.8927, 27.6410, 38.1351



36.2152, 41.9477, 15.6401



8.6716, 8.5753, 9.7689



14.5192, 7.3252, 7.8940



0.4862, 0.2422, 0.4030

Previews

White Background



This preview shows how the XYZ color 20.9205, 22.7065, 45.9280 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 20.9205, 22.7065, 45.9280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

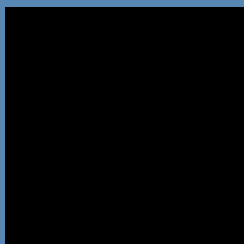
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

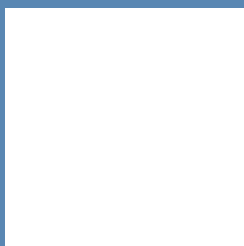
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9205, 22.7065, 45.9280

Background



This preview shows how black text looks on a background with the XYZ color 20.9205, 22.7065, 45.9280.



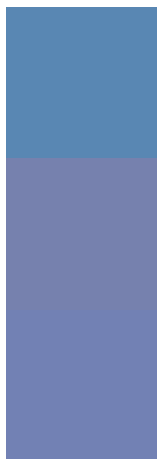
This preview shows how white text looks on a background with the XYZ color 20.9205, 22.7065,

45.9280.

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

20.9205, 22.7065, 45.9280

Protanopia

22.9615, 22.6081, 43.1980

Deuteranopia

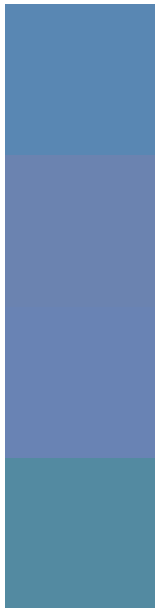
23.0279, 22.5732, 46.3234



Tritanopia

18.2723, 22.6960, 32.6959

Trichromacy



Original Color

20.9205, 22.7065, 45.9280

Protanomaly

22.0162, 22.4930, 44.2555

Deuteranomaly

22.1802, 22.5311, 46.3599

Tritanomaly

19.0888, 22.5892, 37.0723

Monochromacy



Original Color

20.9205, 22.7065, 45.9280

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7711, 21.2556, 29.8487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9205, 22.7065, 45.9280 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(89, 135, 179)` looks like.

```
.text, #text, p{  
    color:rgb(89, 135, 179)  
}
```

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(89, 135, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 135, 179) }
```

Border

The CSS property to change the border of an element to XYZ 20.9205, 22.7065, 45.9280 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(89, 135, 179) }
```


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

```
.border{ border-color:rgb(89, 135, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 135, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 135, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 135, 179);  
box-shadow:4px 4px 4px 4px rgb(89, 135,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9205, 22.7065, 45.9280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 135, 179) }
```

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

```
.background{ background-color: rgb(89, 135,  
179) }
```

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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