

Converting Colors

XYZ(20.5864, 22.7540, 45.4264)

Have a look what the booklet for
XYZ(20.5864, 22.7540, 45.4264)
contains.

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Color

**XYZ(20.5864, 22.7540,
45.4264)**

Conversions

Conversions Part 1

Format	Color
Hex	5588B2
RGB	85, 136, 178
RGB Percent	33%, 53%, 70%
CMY	0.6666, 0.4667, 0.3020
CMYK	0.52, 0.24, 0.00, 0.30
HSL	207°, 38%, 52%
HSV	207°, 52%, 70%
XYZ	20.5864, 22.7540, 45.4264
YIQ	125.5390, -43.8780, 2.2500

Conversions

Conversions Part 2

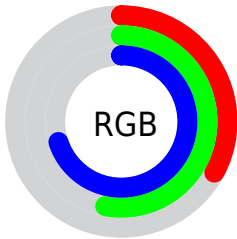
Format	Color
R _Y B	85, 118, 178
Decimal	5605554
CIE Lab	54.82, -4.98, -27.34
CIE LCh	55, 27.793, 259.685
Yxy	22.7540, 0.2319, 0.2563
Android (android.graphics.Color)	4283795634 (0xFF5588B2)
YUV	125.5390, 25.8633, -35.5527
Hunter-Lab	47.7012, -6.4417, -23.0718

Details

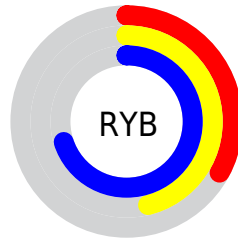
The XYZ color **20.5864, 22.7540, 45.4264** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.5900, 25.3007, 12.0247**, and the grayscale version is **19.6015, 20.6223, 22.4577**.

A 20% lighter version of the original color is **43.8641, 47.9112, 84.7778**, and **7.4061, 8.3304, 20.6196** is the 20% darker color. If you saturate the color by 10%, you get **18.0792, 19.8437, 44.9972**, and if you desaturate by 10%, it is **23.5866, 26.0454, 45.9040**.

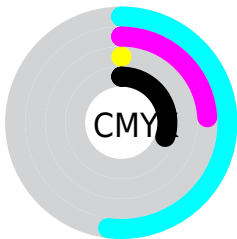
Distribution



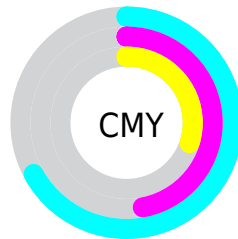
- Red (33%)
- Green (53%)
- Blue (70%)



- Red (33%)
- Yellow (46%)
- Blue (70%)



- Cyan (52%)
- Magenta (24%)
- Yellow (0%)
- Black (30%)



- Cyan (67%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5864, 22.7540, 45.4264 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 20.5864, 22.7540, 45.4264 by changing the saturation by 10% instead.

■ 20.5864, 22.7540,
45.4264

■ 20.5864, 22.7540,
45.4264

247.8457,
266.4590, 384.7081

■ 12.9327, 14.4120,
31.4480

■ 43.8946, 47.9891,
84.6851

■ 7.4589, 8.4077,
20.6789

■ 60.2800, 65.6509,
110.8025

■ 3.7996, 4.3569,
12.7006

■ 80.3065, 87.1881,
141.8034

■ 1.5894, 1.8752,
7.0944

■ 104.3397,
112.9852, 178.1062

■ 0.3855, 0.5334,
3.4419

132.7449,
143.4264, 220.1296

■ 0.0000, 0.0000,
1.3244

165.8873,

■ 0.0000, 0.0000,

178.8961, 268.2920

0.0817

204.1325,
219.7789, 323.0120

■ 0.0000, 0.0000,
0.0000

■ 20.5864, 22.7540,
45.4264

■ 20.5864, 22.7540,
45.4264

■ 18.0792, 19.8437,
44.9972

■ 23.5866, 26.0454,
45.9040

■ 16.0296, 17.2922,
44.6128

■ 27.1071, 29.7332,
46.4303

■ 14.4010, 15.0783,
44.2713

■ 31.1757, 33.8350,
47.0076

■ 13.1490, 13.1760,
43.9701

■ 35.8177, 38.3662,
47.6375

■ 12.3675, 11.8774,
43.7606

■ 41.0565, 43.3414,
48.3217

■ 46.9143, 48.7742,
49.0616

■ 53.4119, 54.6779,
49.8587

■ 60.5694, 61.0649,
50.7142

■ 68.4056, 67.9473,
51.6297

Harmonies

Analogous

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



18.0257, 22.7540, 40.0444



20.5864, 22.7540, 45.4264



23.6786, 22.7540, 44.3631

Triad

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



20.5864, 22.7540, 45.4264



27.6797, 22.7540, 19.5019



17.4280, 22.7540, 15.3621

Complementary

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



20.5864, 22.7540, 45.4264



27.5900, 25.3007, 12.0247

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.



19.6974, 22.7540, 12.0157



20.5864, 22.7540, 45.4264



25.6786, 22.7540, 13.9843

Square

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



20.5864, 22.7540, 45.4264



27.9752, 22.7540, 27.9297



22.7021, 22.7540, 11.5794



16.3201, 22.7540, 21.8677

Rectangle

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



20.5864, 22.7540, 45.4264



25.6229, 22.7540, 40.2091



22.7021, 22.7540, 11.5794



18.0697, 22.7540, 13.9029

Sweetspot

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



20.5872, 22.7548, 45.4270



61.4305, 66.1655, 85.9147



23.4885, 35.3011, 25.6043



13.2314, 14.2894, 18.9830



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.



20.5872, 22.7548, 45.4270



32.0385, 35.0831, 81.4643



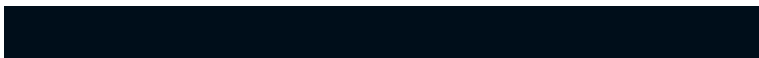
15.4098, 12.4001, 43.7012



8.4153, 8.9767, 10.7955



8.9125, 8.6254, 31.3321



0.3377, 0.3860, 1.0049

Inverse Universe

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



26.0532, 17.7405, 25.3445



43.4969, 26.5514, 38.9219



35.0111, 40.1430, 14.4984



8.6848, 8.5806, 9.8386



14.7333, 7.4109, 9.0214



0.4925, 0.2447, 0.4362

Previews

White Background



This preview shows how the XYZ color 20.5864, 22.7540, 45.4264 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 20.5864, 22.7540, 45.4264 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

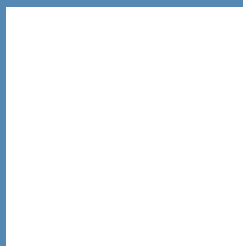
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5864, 22.7540, 45.4264

Background



This preview shows how black text looks on a background with the XYZ color 20.5864, 22.7540, 45.4264.



This preview shows how white text looks on a background with the XYZ color 20.5864, 22.7540,

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

20.5864, 22.7540, 45.4264

Protanopia

23.0008, 22.6396, 42.6928

Deuteranopia

23.1587, 22.6406, 46.3295



Tritanopia

18.1729, 22.8533, 33.1591

Trichromacy



Original Color

20.5864, 22.7540, 45.4264

Protanomaly

22.0525, 22.7235, 43.7812

Deuteranomaly

22.0969, 22.7003, 45.8648

Tritanomaly

18.8901, 22.7007, 37.1043

Monochromacy



Original Color

20.5864, 22.7540, 45.4264

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6490, 21.3891, 29.8810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5864, 22.7540, 45.4264 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(85, 136, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 136, 178) }
```

Border

The CSS property to change the border of an element to XYZ 20.5864, 22.7540, 45.4264 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, 178) }
```


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

```
.border{ border-color:rgb(85, 136, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 136, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 136, 178);  
box-shadow:4px 4px 4px 4px rgb(85, 136,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5864, 22.7540, 45.4264 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, 178) }
```

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

```
.background{ background-color: rgb(85, 136,  
178) }
```

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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