

Converting Colors

XYZ(20.7227, 20.6831, 54.2982)

Have a look what the booklet for
XYZ(20.7227, 20.6831, 54.2982)
contains.

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Color

**XYZ(20.7045, 20.6112,
54.5169)**

Conversions

Conversions Part 1

Format	Color
Hex	517EC3
RGB	81, 126, 195
RGB Percent	32%, 49%, 76%
CMY	0.6823, 0.5059, 0.2353
CMYK	0.58, 0.35, 0.00, 0.24
HSL	216°, 49%, 54%
HSV	216°, 58%, 76%
XYZ	20.7045, 20.6112, 54.5169
YIQ	120.4110, -48.9690, 11.9190

Conversions

Conversions Part 2

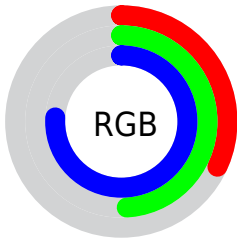
Format	Color
R _Y B	81, 113, 195
Decimal	5340867
CIE Lab	52.52, 5.50, -40.67
CIE LCh	53, 41.043, 277.696
Yxy	20.6112, 0.2160, 0.2151
Android (android.graphics.Color)	4283530947 (0xFF517EC3)
YUV	120.4110, 36.7724, -34.5634
Hunter-Lab	45.3996, 1.9558, -39.4172

Details

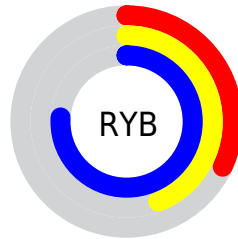
The XYZ color **20.7045, 20.6112, 54.5169** is a dark color, and the websafe version is hex **336699**. The color can be described as middle muted azure. A complement of this color would be **34.8983, 34.0103, 12.5109**, and the grayscale version is **17.8820, 18.8133, 20.4877**.

A 20% lighter version of the original color is **43.9723, 44.2723, 98.3233**, and **7.5571, 7.3848, 26.2264** is the 20% darker color. If you saturate the color by 10%, you get **17.8459, 17.0279, 53.9763**, and if you desaturate by 10%, it is **24.2225, 24.7994, 55.1403**.

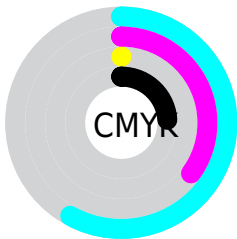
Distribution



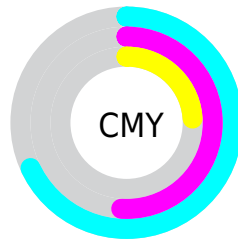
- Red (32%)
- Green (49%)
- Blue (76%)



- Red (32%)
- Yellow (44%)
- Blue (76%)



- Cyan (58%)
- Magenta (35%)
- Yellow (0%)
- Black (24%)



- Cyan (68%)
- Magenta (51%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7045, 20.6112, 54.5169 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 20.7045, 20.6112, 54.5169 by changing the saturation by 10% instead.

■ 20.7045, 20.6112,
54.5169

■ 20.7045, 20.6112,
54.5169

248.4654,
255.2050, 421.3083

■ 13.0194, 12.8401,
38.6191

■ 44.0902, 44.4396,
98.2968

■ 7.5190, 7.3185,
26.1580

■ 60.5215, 61.2656,
127.0160

■ 3.8379, 3.6621,
16.7150

■ 80.5990, 81.8788,
160.8461

■ 1.6109, 1.4864,
9.8717

■ 104.6879,
106.6634, 200.2055

■ 0.3995, 0.2791,
5.2095

133.1536,
136.0040, 245.5129

■ 0.0000, 0.0000,
2.3098

166.3616,

■ 0.0000, 0.0000,

170.2848, 297.1868

0.7367

204.6771,
209.8904, 355.6458

■ 0.0000, 0.0000,
0.0000

■ 20.7045, 20.6112,
54.5169

■ 20.7045, 20.6112,
54.5169

■ 17.8459, 17.0279,
53.9763

■ 24.2225, 24.7994,
55.1403

■ 15.5958, 14.0133,
53.5130

■ 28.4407, 29.6213,
55.8487

■ 13.8989, 11.5293,
53.1230

■ 33.3992, 35.1063,
56.6461

■ 12.6689, 9.5213,
52.8003

■ 39.1341, 41.2808,
57.5356

■ 12.5023, 9.2439,
52.7555

■ 45.6792, 48.1699,
58.5204

■ 53.0659, 55.7973,
59.6033

■ 61.3242, 64.1854,
60.7871

■ 70.4824, 73.3557,
62.0744

■ 80.0113, 83.0420,
63.4419

Harmonies

Analogous

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



16.6514, 20.6112, 51.7824



20.7045, 20.6112, 54.5169



25.0206, 20.6112, 46.5033

Triad

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



20.7045, 20.6112, 54.5169



26.7892, 20.6112, 10.9630



12.9642, 20.6112, 14.6842

Complementary

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



20.7045, 20.6112, 54.5169



34.8983, 34.0103, 12.5109

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.



15.0088, 20.6112, 8.5560



20.7045, 20.6112, 54.5169



22.8562, 20.6112, 7.0125

Square

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



20.7045, 20.6112, 54.5169



28.8495, 20.6112, 19.4533



18.5169, 20.6112, 6.3273



12.5603, 20.6112, 25.7223

Rectangle

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



20.7045, 20.6112, 54.5169



27.3358, 20.6112, 37.4061



18.5169, 20.6112, 6.3273



13.4664, 20.6112, 12.1194

Sweetspot

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



20.7053, 20.6119, 54.5174



70.2873, 74.1446, 103.0766



28.3661, 42.9629, 35.4002



14.6908, 15.4883, 22.4652



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.7053, 20.6119, 54.5174



30.8018, 28.9829, 96.4406



17.2474, 12.1220, 53.0609



9.8472, 10.3857, 12.7705



8.2026, 6.1617, 34.3136



0.4216, 0.4007, 1.5050

Inverse Universe

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



29.2147, 18.9942, 21.8658



48.0229, 27.9714, 29.8539



40.6724, 49.7659, 15.2477



10.2342, 10.1423, 11.3237



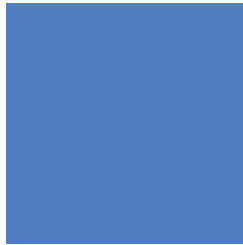
15.5363, 7.9043, 5.4701



0.7052, 0.3551, 0.4150

Previews

White Background



This preview shows how the XYZ color 20.7045, 20.6112, 54.5169 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 20.7045, 20.6112, 54.5169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

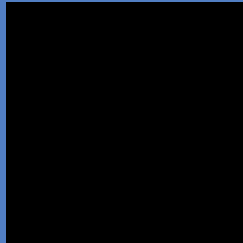
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7045, 20.6112, 54.5169

Background



This preview shows how black text looks on a background with the XYZ color 20.7045, 20.6112, 54.5169.

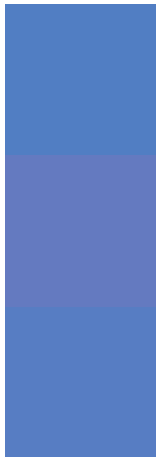


This preview shows how white text looks on a background with the XYZ color 20.7045, 20.6112,

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

20.7045, 20.6112, 54.5169

Protanopia

21.7295, 20.4342, 52.6681

Deuteranopia

21.1144, 20.6336, 54.4996



Tritanopia

15.9951, 20.7070, 30.7576

Trichromacy



Original Color

20.7045, 20.6112, 54.5169

Protanomaly

21.2228, 20.3433, 53.2602

Deuteranomaly

20.9303, 20.5387, 54.4910

Tritanomaly

17.3360, 20.4118, 38.1481

Monochromacy



Original Color

20.7045, 20.6112, 54.5169

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1699, 19.0898, 30.3308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7045, 20.6112, 54.5169 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(81, 126, 195)` looks like.

```
.text, #text, p{  
    color:rgb(81, 126, 195)  
}
```

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(81, 126, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 126, 195) }
```

Border

The CSS property to change the border of an element to XYZ 20.7045, 20.6112, 54.5169 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(81, 126, 195) }
```


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

```
.border{ border-color:rgb(81, 126, 195) }
```

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

Here you see how a box with a 4 pixel rgb(81, 126, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 126, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 126, 195);  
box-shadow:4px 4px 4px 4px rgb(81, 126,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7045, 20.6112, 54.5169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 126, 195) }
```

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

```
.background{ background-color: rgb(81, 126,  
195) }
```

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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