

Converting Colors

XYZ(19.5869, 20.0835, 53.4643)

Have a look what the booklet for
XYZ(19.5869, 20.0835, 53.4643)
contains.

XYZ(19.5407, 20.0372, 53.2897)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5407, 20.0372,
53.2897)**

Conversions

Conversions Part 1

Format	Color
Hex	457EC1
RGB	69, 126, 193
RGB Percent	27%, 49%, 76%
CMY	0.7294, 0.5059, 0.2431
CMYK	0.64, 0.35, 0.00, 0.24
HSL	212°, 50%, 51%
HSV	212°, 64%, 76%
XYZ	19.5407, 20.0372, 53.2897
YIQ	116.5950, -55.4790, 8.7530

Conversions

Conversions Part 2

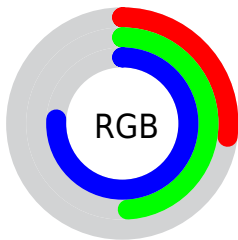
Format	Color
R _Y B	69, 108, 193
Decimal	4554433
CIE Lab	51.88, 2.52, -40.58
CIE LCh	52, 40.658, 273.551
Yxy	20.0372, 0.2104, 0.2158
Android (android.graphics.Color)	4282744513 (0xFF457EC1)
YUV	116.5950, 37.6677, -41.7408
Hunter-Lab	44.7629, -0.4132, -39.2499

Details

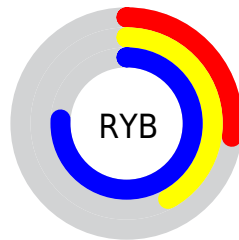
The XYZ color **19.5407, 20.0372, 53.2897** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **31.8717, 29.3770, 9.6217**, and the grayscale version is **16.6840, 17.5529, 19.1151**.

A 20% lighter version of the original color is **42.0778, 43.3321, 96.5887**, and **7.3846, 7.3129, 25.4484** is the 20% darker color. If you saturate the color by 10%, you get **17.1230, 16.9136, 52.8146**, and if you desaturate by 10%, it is **22.5441, 23.6697, 53.8330**.

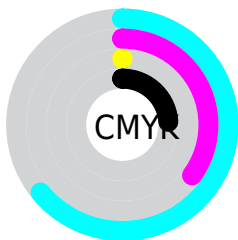
Distribution



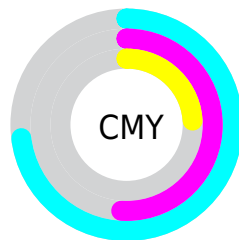
- Red (27%)
- Green (49%)
- Blue (76%)



- Red (27%)
- Yellow (42%)
- Blue (76%)



- Cyan (64%)
- Magenta (35%)
- Yellow (0%)
- Black (24%)



- Cyan (73%)
- Magenta (51%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5407, 20.0372, 53.2897 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 19.5407, 20.0372, 53.2897 by changing the saturation by 10% instead.

■ 19.5407, 20.0372,
53.2897

■ 19.5407, 20.0372,
53.2897

242.2989,
252.1164, 416.4934

■ 12.1679, 12.4221,
37.6448

■ 42.1556, 43.4795,
96.4764

■ 6.9312, 7.0318,
25.4074

■ 58.1285, 60.0756,
124.8552

■ 3.4650, 3.4820,
16.1591

■ 77.6988, 80.4340,
158.3158

■ 1.4042, 1.3883,
9.4812

■ 101.2319,
104.9393, 197.2766

■ 0.2592, 0.2080,
4.9553

■ 129.0930,
133.9758, 242.1563

■ 0.0000, 0.0000,
2.1628

161.6477,

■ 0.0000, 0.0000,

167.9278, 293.3732

0.6528

199.2612,
207.1799, 351.3461

■ 0.0000, 0.0000,
0.0000

■ 19.5407, 20.0372,
53.2897

■ 19.5407, 20.0372,
53.2897

■ 17.1230, 16.9136,
52.8146

■ 22.5441, 23.6697,
53.8330

■ 15.2394, 14.2651,
52.4027

■ 26.1740, 27.8374,
54.4461

■ 13.8318, 12.0555,
52.0504

■ 30.4698, 32.5664,
55.1325

■ 13.1744, 10.9477,
51.8712

■ 35.4667, 37.8807,
55.8949

■ 41.1975, 43.8023,
56.7358

■ 47.6925, 50.3523,
57.6578

■ 54.9805, 57.5503,
58.6630

■ 63.0887, 65.4152,
59.7537

■ 72.0428, 73.9650,
60.9321

Harmonies

Analogous

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



15.7229, 20.0372, 49.1636



19.5407, 20.0372, 53.2897



23.7783, 20.0372, 46.7827

Triad

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



19.5407, 20.0372, 53.2897



26.4573, 20.0372, 11.5088



12.7841, 20.0372, 13.1758

Complementary

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



19.5407, 20.0372, 53.2897



31.8717, 29.3770, 9.6217

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.



14.9852, 20.0372, 7.8243



19.5407, 20.0372, 53.2897



22.8044, 20.0372, 7.1348

Square

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



19.5407, 20.0372, 53.2897



28.1188, 20.0372, 20.4390



18.5573, 20.0372, 6.0823



12.1688, 20.0372, 23.2558

Rectangle

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



19.5407, 20.0372, 53.2897



26.1715, 20.0372, 38.3059



18.5573, 20.0372, 6.0823



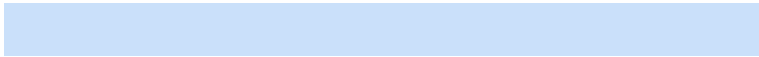
13.3457, 20.0372, 10.9046

Sweetspot

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



19.5415, 20.0379, 53.2902



68.4316, 72.9536, 100.8350



25.9076, 41.1588, 29.5511



14.0583, 15.0051, 21.5406



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.5415, 20.0379, 53.2902



29.2219, 28.3150, 94.2855



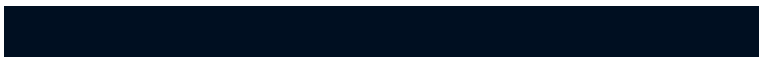
14.5124, 9.5292, 51.5269



9.9012, 10.4938, 12.7885



8.8406, 7.4377, 34.5263



0.4508, 0.4591, 1.5147

Inverse Universe

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



27.8870, 17.1009, 21.5703



46.0579, 25.3522, 29.6302



41.0979, 49.3718, 12.9948



10.2615, 10.1532, 11.4673



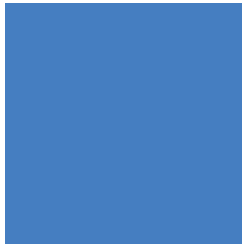
15.8583, 8.0331, 7.1659



0.7199, 0.3610, 0.4926

Previews

White Background



This preview shows how the XYZ color 19.5407, 20.0372, 53.2897 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 19.5407, 20.0372, 53.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

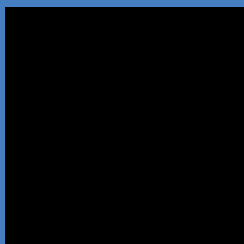
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

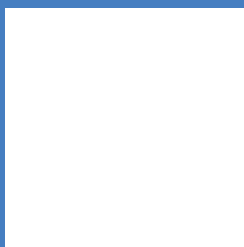
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5407, 20.0372, 53.2897

Background



This preview shows how black text looks on a background with the XYZ color 19.5407, 20.0372, 53.2897.



This preview shows how white text looks on a background with the XYZ color 19.5407, 20.0372,

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

19.5407, 20.0372, 53.2897

Protanopia

21.1683, 20.0015, 50.8891

Deuteranopia

20.5669, 19.9923, 53.8138



Tritanopia

14.8485, 19.9169, 30.2559

Trichromacy



Original Color

19.5407, 20.0372, 53.2897

Protanomaly

20.4017, 19.9583, 51.4923

Deuteranomaly

20.1697, 19.9726, 53.8310

Tritanomaly

16.2783, 19.8769, 37.6290

Monochromacy



Original Color

19.5407, 20.0372, 53.2897

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.0828, 18.1866, 29.3981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5407, 20.0372, 53.2897 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(69, 126, 193)` looks like.

```
.text, #text, p{  
    color:rgb(69, 126, 193)  
}
```

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(69, 126, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 126, 193) }
```

Border

The CSS property to change the border of an element to XYZ 19.5407, 20.0372, 53.2897 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(69, 126, 193) }
```


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

```
.border{ border-color:rgb(69, 126, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 126, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 126, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 126, 193);  
box-shadow:4px 4px 4px 4px rgb(69, 126,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5407, 20.0372, 53.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 126, 193) }
```

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

```
.background{ background-color: rgb(69, 126,  
193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor