

Converting Colors

XYZ(19.8329, 20.2928, 43.3524)

Have a look what the booklet for
XYZ(19.8329, 20.2928, 43.3524)
contains.

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Color

**XYZ(19.7908, 20.1953,
43.4124)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7DAF
RGB	95, 125, 175
RGB Percent	37%, 49%, 69%
CMY	0.6274, 0.5098, 0.3137
CMYK	0.46, 0.29, 0.00, 0.31
HSL	218°, 33%, 53%
HSV	218°, 46%, 69%
XYZ	19.7908, 20.1953, 43.4124
YIQ	121.7300, -33.9300, 9.1900

Conversions

Conversions Part 2

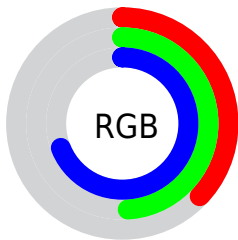
Format	Color
R_{YB}	95, 117, 175
Decimal	6258095
CIE _{Lab}	52.06, 3.00, -29.86
CIE _{LCh}	52, 30.013, 275.745
Yxy	20.1953, 0.2373, 0.2422
Android (android.graphics.Color)	4284448175 (0xFF5F7DAF)
YUV	121.7300, 26.2621, -23.4422
Hunter-Lab	44.9392, -0.0338, -25.8182

Details

The XYZ color **19.7908, 20.1953, 43.4124** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.8708, 30.1917, 15.0805**, and the grayscale version is **18.3364, 19.2914, 21.0083**.

A 20% lighter version of the original color is **42.5404, 43.6034, 81.7755**, and **7.0117, 7.0454, 19.4027** is the 20% darker color. If you saturate the color by 10%, you get **16.8639, 16.7432, 42.9007**, and if you desaturate by 10%, it is **23.2800, 24.1644, 43.9950**.

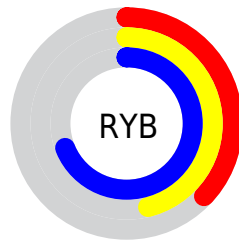
Distribution



Red (37%)

Green (49%)

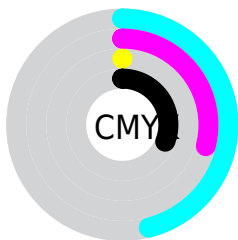
Blue (69%)



Red (37%)

Yellow (46%)

Blue (69%)

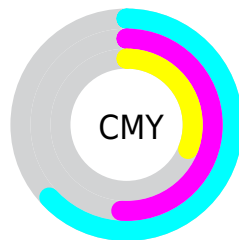


Cyan (46%)

Magenta (29%)

Yellow (0%)

Black (31%)



Cyan (63%)

Magenta (51%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7908, 20.1953, 43.4124 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 19.7908, 20.1953, 43.4124 by changing the saturation by 10% instead.

■ 19.7908, 20.1953,
43.4124

■ 19.7908, 20.1953,
43.4124

243.6355,
252.9704, 376.2760

■ 12.3504, 12.5371,
29.8750

■ 42.5728, 43.7444,
81.6258

■ 7.0567, 7.1106,
19.4925

■ 58.6451, 60.4040,
107.1390

■ 3.5442, 3.5313,
11.8463

■ 78.3255, 80.8330,
137.4811

■ 1.4477, 1.4150,
6.5178

■ 101.9793,
105.4155, 173.0709

■ 0.2898, 0.2278,
3.0886

129.9719,
134.5362, 214.3266

■ 0.0000, 0.0000,
1.1400

162.6685,

■ 0.0000, 0.0000,

168.5793, 261.6671

0.0000

200.4346,
207.9292, 315.5107

■ 19.7908, 20.1953,
43.4124

■ 19.7908, 20.1953,
43.4124

■ 16.8639, 16.7432,
42.9007

■ 23.2800, 24.1644,
43.9950

■ 14.4645, 13.7817,
42.4556

■ 27.3591, 28.6706,
44.6498

■ 12.5571, 11.2852,
42.0742

■ 32.0564, 33.7355,
45.3798

■ 11.1001, 9.2242,
41.7532

■ 37.3978, 39.3789,
46.1876

■ 10.0417, 7.5633,
41.4884

■ 43.4073, 45.6193,
47.0754

■ 9.6643, 6.9479,
41.3895

■ 50.1081, 52.4745,
48.0454

■ 57.5219, 59.9616,
49.0998

■ 65.6696, 68.0969,
50.2406

■ 74.5712, 76.8960,
51.4699

Harmonies

Analogous

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



16.8750, 20.1953, 41.2390



19.7908, 20.1953, 43.4124



22.8465, 20.1953, 38.7235

Triad

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



19.7908, 20.1953, 43.4124



24.3848, 20.1953, 13.5319



14.3090, 20.1953, 15.7606

Complementary

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



19.7908, 20.1953, 43.4124



29.8708, 30.1917, 15.0805

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.



15.9549, 20.1953, 10.9409



19.7908, 20.1953, 43.4124



21.7185, 20.1953, 9.9143

Square

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



19.7908, 20.1953, 43.4124



25.6740, 20.1953, 20.3432



18.6113, 20.1953, 9.1110



13.9095, 20.1953, 23.7218

Rectangle

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



19.7908, 20.1953, 43.4124



24.4880, 20.1953, 32.9198



18.6113, 20.1953, 9.1110



14.7256, 20.1953, 13.7935

Sweetspot

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



19.7915, 20.1960, 43.4129



58.7447, 61.8391, 81.4768



25.1095, 35.1172, 31.9749



12.6311, 13.2907, 18.0440



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.



19.7915, 20.1960, 43.4129



30.0894, 29.8500, 76.8126



17.5785, 14.2435, 42.3806



7.8158, 8.2309, 10.1295



6.9759, 5.0856, 29.6585



0.2476, 0.2485, 0.8429

Inverse Universe

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



25.4737, 18.7798, 21.6850



41.8464, 28.0185, 31.6093



33.0521, 39.5576, 16.7207



8.1248, 8.0632, 8.9681



13.3847, 6.8164, 4.4055



0.3994, 0.2004, 0.2648

Previews

White Background



This preview shows how the XYZ color 19.7908, 20.1953, 43.4124 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 19.7908, 20.1953, 43.4124 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

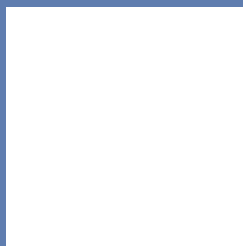
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7908, 20.1953, 43.4124

Background



This preview shows how black text looks on a background with the XYZ color 19.7908, 20.1953, 43.4124.



This preview shows how white text looks on a background with the XYZ color 19.7908, 20.1953,

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

19.7908, 20.1953, 43.4124

Protanopia

20.6867, 20.1243, 42.3292

Deuteranopia

20.7451, 20.3038, 43.8999



Tritanopia

16.7451, 20.1169, 28.5916

Trichromacy



Original Color

19.7908, 20.1953, 43.4124

Protanomaly

20.3165, 20.1055, 42.8544

Deuteranomaly

20.4110, 20.3166, 43.9200

Tritanomaly

17.8028, 20.1575, 33.5243

Monochromacy



Original Color

19.7908, 20.1953, 43.4124

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.5728, 19.5337, 27.9908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7908, 20.1953, 43.4124 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(95, 125, 175)` looks like.

```
.text, #text, p{  
    color:rgb(95, 125, 175)  
}
```

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(95, 125, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 125, 175) }
```

Border

The CSS property to change the border of an element to XYZ 19.7908, 20.1953, 43.4124 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(95, 125, 175) }
```


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

```
.border{ border-color:rgb(95, 125, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 125, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 125, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 125, 175);  
box-shadow:4px 4px 4px 4px rgb(95, 125,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7908, 20.1953, 43.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 125, 175) }
```

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

```
.background{ background-color: rgb(95, 125,  
175) }
```

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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