

Converting Colors

XYZ(20.0197, 22.7856, 43.2526)

Have a look what the booklet for
XYZ(20.0197, 22.7856, 43.2526)
contains.

XYZ(19.9790, 22.6966, 43.3723)	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(19.9790, 22.6966,
43.3723)**

Conversions

Conversions Part 1

Format	Color
Hex	5189AE
RGB	81, 137, 174
RGB Percent	32%, 54%, 68%
CMY	0.6823, 0.4627, 0.3176
CMYK	0.53, 0.21, 0.00, 0.32
HSL	204°, 36%, 50%
HSV	204°, 53%, 68%
XYZ	19.9790, 22.6966, 43.3723
YIQ	124.4740, -45.2530, -0.3650

Conversions

Conversions Part 2

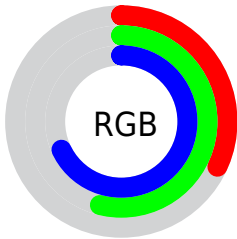
Format	Color
R_{YB}	81, 116, 174
Decimal	5343662
CIE _{Lab}	54.76, -7.70, -25.16
CIE _{LCh}	55, 26.312, 252.979
Yxy	22.6966, 0.2322, 0.2638
Android (android.graphics.Color)	4283533742 (0xFF5189AE)
YUV	124.4740, 24.4163, -38.1267
Hunter-Lab	47.6409, -8.5148, -20.6289

Details

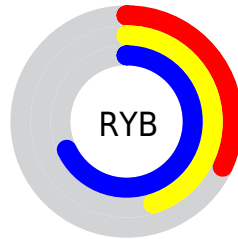
The XYZ color **19.9790, 22.6966, 43.3723** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.4200, 22.5507, 10.7985**, and the grayscale version is **19.2489, 20.2513, 22.0537**.

A 20% lighter version of the original color is **42.8497, 47.7743, 81.8259**, and **7.1088, 8.3255, 19.3215** is the 20% darker color. If you saturate the color by 10%, you get **17.7220, 20.1191, 42.9942**, and if you desaturate by 10%, it is **22.6827, 25.5990, 43.7904**.

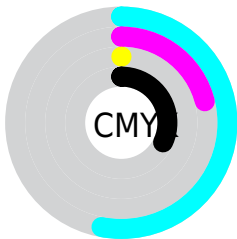
Distribution



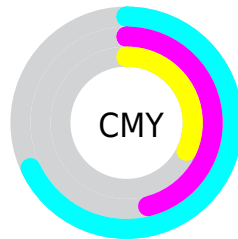
- Red (32%)
- Green (54%)
- Blue (68%)



- Red (32%)
- Yellow (45%)
- Blue (68%)



- Cyan (53%)
- Magenta (21%)
- Yellow (0%)
- Black (32%)



- Cyan (68%)
- Magenta (46%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9790, 22.6966, 43.3723 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 19.9790, 22.6966, 43.3723 by changing the saturation by 10% instead.

■ 19.9790, 22.6966,
43.3723

■ 19.9790, 22.6966,
43.3723

244.6371,
266.1628, 376.1067

■ 12.4880, 14.3696,
29.8438

■ 42.8862, 47.8947,
81.5647

■ 7.1515, 8.3782,
19.4690

■ 59.0330, 65.5346,
107.0658

■ 3.6042, 4.3379,
11.8294

■ 78.7959, 87.0475,
137.3947

■ 1.4807, 1.8643,
6.5065

■ 102.5400,
112.8180, 172.9700

■ 0.3127, 0.5268,
3.0817

■ 130.6309,
143.2304, 214.2104

■ 0.0000, 0.0000,
1.1365

163.4338,

■ 0.0000, 0.0000,

178.6691, 261.5342

0.0000

201.3141,
219.5184, 315.3602

■ 19.9790, 22.6966,
43.3723

■ 19.9790, 22.6966,
43.3723

■ 17.7220, 20.1191,
42.9942

■ 22.6827, 25.5990,
43.7904

■ 15.8784, 17.8464,
42.6527

■ 25.8587, 28.8398,
44.2486

■ 14.4136, 15.8591,
42.3463

■ 29.5331, 32.4347,
44.7488

■ 13.2854, 14.1337,
42.0727

■ 33.7292, 36.3972,
45.2925

■ 12.6686, 13.1131,
41.9082

■ 38.4691, 40.7404,
45.8810

■ 43.7733, 45.4762,
46.5155

■ 49.6613, 50.6164,
47.1974

■ 56.1516, 56.1718,
47.9276

■ 63.2618, 62.1530,
48.7073

Harmonies

Analogous

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



17.7401, 22.6966, 37.2949



19.9790, 22.6966, 43.3723



22.8508, 22.6966, 43.7984

Triad

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



19.9790, 22.6966, 43.3723



27.4833, 22.6966, 21.2927



17.9857, 22.6966, 14.7632

Complementary

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



19.9790, 22.6966, 43.3723



25.4200, 22.5507, 10.7985

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.



20.3426, 22.6966, 12.1765



19.9790, 22.6966, 43.3723



25.9204, 22.6966, 15.3361

Square

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



19.9790, 22.6966, 43.3723



27.3636, 22.6966, 29.6952



23.2484, 22.6966, 12.3596



16.6620, 22.6966, 20.3213

Rectangle

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



19.9790, 22.6966, 43.3723



24.7565, 22.6966, 40.6996



23.2484, 22.6966, 12.3596



18.6738, 22.6966, 13.5797

Sweetspot

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



19.9798, 22.6974, 43.3728



58.9226, 63.9117, 81.8675



21.7205, 33.2982, 22.0054



12.7509, 13.8802, 18.1514



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.



19.9798, 22.6974, 43.3728



31.5302, 35.7601, 77.8774



14.8484, 12.4347, 41.6624



7.9649, 8.5291, 10.1792



9.2477, 9.6292, 30.4157



0.3088, 0.3709, 0.8633

Inverse Universe

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



24.9140, 16.6906, 25.5761



41.8343, 25.1832, 40.2719



32.0652, 35.8411, 13.0136



8.2001, 8.0933, 9.3644



14.5314, 7.2751, 10.4440



0.4302, 0.2128, 0.4275

Previews

White Background



This preview shows how the XYZ color 19.9790, 22.6966, 43.3723 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 19.9790, 22.6966, 43.3723 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

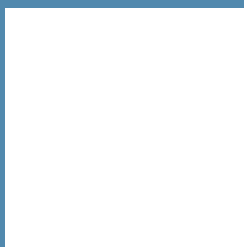
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9790, 22.6966, 43.3723

Background



This preview shows how black text looks on a background with the XYZ color 19.9790, 22.6966, 43.3723.

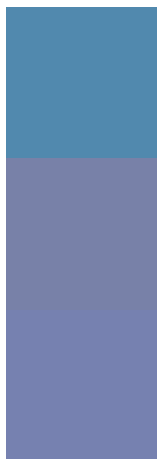


This preview shows how white text looks on a background with the XYZ color 19.9790, 22.6966,

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

19.9790, 22.6966, 43.3723

Protanopia

22.6639, 22.5207, 40.1982

Deuteranopia

23.1579, 22.6867, 44.2327



Tritanopia

17.9400, 22.7332, 33.1482

Trichromacy



Original Color

19.9790, 22.6966, 43.3723

Protanomaly

21.4508, 22.4690, 41.2366

Deuteranomaly

21.8148, 22.6009, 43.7701

Tritanomaly

18.7037, 22.8307, 36.6787

Monochromacy



Original Color

19.9790, 22.6966, 43.3723

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9171, 20.8417, 28.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9790, 22.6966, 43.3723 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, 137, 174)` looks like.

```
.text, #text, p{  
    color:rgb(81, 137, 174)  
}
```

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, 137, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 137, 174) }
```

Border

The CSS property to change the border of an element to XYZ 19.9790, 22.6966, 43.3723 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, 137, 174) }
```


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

```
.border{ border-color:rgb(81, 137, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 137, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 137, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 137, 174);  
box-shadow:4px 4px 4px 4px rgb(81, 137,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9790, 22.6966, 43.3723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 137, 174) }
```

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

```
.background{ background-color: rgb(81, 137,  
174) }
```

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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