

Converting Colors

XYZ(20.4469, 23.6891, 35.5880)

Have a look what the booklet for
XYZ(20.4469, 23.6891, 35.5880)
contains.

XYZ(20.5009, 23.7872, 35.4092)	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(20.5009, 23.7872,
35.4092)**

Conversions

Conversions Part 1

Format	Color
Hex	628C9D
RGB	98, 140, 157
RGB Percent	38%, 55%, 62%
CMY	0.6157, 0.4510, 0.3843
CMYK	0.38, 0.11, 0.00, 0.38
HSL	197°, 23%, 50%
HSV	197°, 38%, 62%
XYZ	20.5009, 23.7872, 35.4092
YIQ	129.3800, -30.4890, -3.6170

Conversions

Conversions Part 2

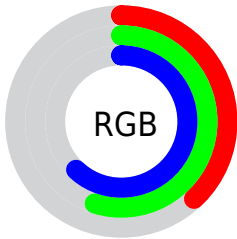
Format	Color
R_{YB}	98, 123, 157
Decimal	6458525
CIE _{Lab}	55.87, -9.94, -13.61
CIE _{LCh}	56, 16.860, 233.854
Yxy	23.7872, 0.2572, 0.2985
Android (android.graphics.Color)	4284648605 (0xFF628C9D)
YUV	129.3800, 13.6167, -27.5203
Hunter-Lab	48.7721, -10.3204, -8.9048

Details

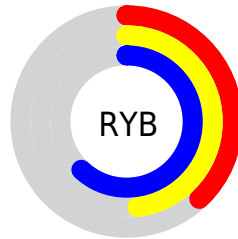
The XYZ color **20.5009, 23.7872, 35.4092** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2403, 20.3117, 14.3042**, and the grayscale version is **20.9615, 22.0531, 24.0158**.

A 20% lighter version of the original color is **43.9380, 49.9163, 69.6064**, and **7.4300, 8.9573, 14.9730** is the 20% darker color. If you saturate the color by 10%, you get **18.3229, 21.7038, 35.1223**, and if you desaturate by 10%, it is **23.0398, 26.0981, 35.7219**.

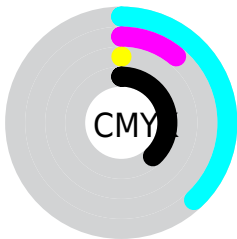
Distribution



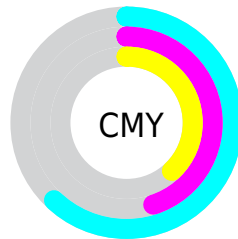
- Red (38%)
- Green (55%)
- Blue (62%)



- Red (38%)
- Yellow (48%)
- Blue (62%)



- Cyan (38%)
- Magenta (11%)
- Yellow (0%)
- Black (38%)



- Cyan (62%)
- Magenta (45%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5009, 23.7872, 35.4092 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 20.5009, 23.7872, 35.4092 by changing the saturation by 10% instead.

■ 20.5009, 23.7872,
35.4092

■ 20.5009, 23.7872,
35.4092

247.3962,
271.7429, 341.3298

■ 12.8700, 15.1758,
23.6922

■ 43.7530, 49.6827,
69.2779

■ 7.4155, 8.9429,
14.8954

■ 60.1049, 67.7357,
92.2668

■ 3.7719, 4.7039,
8.6002

■ 80.0945, 89.7046,
119.8499

■ 1.5739, 2.0746,
4.3881

■ 104.0873,
115.9739, 152.4460

■ 0.3753, 0.6503,
1.8406

132.4485,
146.9280, 190.4734

■ 0.0000, 0.0000,
0.4545

165.5435,

■ 0.0000, 0.0000,

182.9513, 234.3509

0.0000

203.7376,
224.4281, 284.4968

■ 20.5009, 23.7872,
35.4092

■ 20.5009, 23.7872,
35.4092

■ 18.3229, 21.7038,
35.1223

■ 23.0398, 26.0981,
35.7219

■ 16.4838, 19.8344,
34.8584

■ 25.9557, 28.6436,
36.0595

■ 14.9625, 18.1682,
34.6169

■ 29.2663, 31.4339,
36.4236

■ 13.7343, 16.6920,
34.3967

■ 32.9874, 34.4776,
36.8149

■ 12.7707, 15.3906,
34.1963

■ 37.1341, 37.7827,
37.2344

■ 12.0233, 14.2385,
34.0133

■ 41.7205, 41.3573,
37.6826

■ 11.8544, 13.9713,
33.9707

■ 46.7602, 45.2085,
38.1603

■ 52.2661, 49.3435,
38.6683

■ 58.2506, 53.7692,
39.2071

Harmonies

Analogous

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



19.3983, 23.7872, 30.4150



20.5009, 23.7872, 35.4092



22.2161, 23.7872, 37.8969

Triad

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



20.5009, 23.7872, 35.4092



26.4812, 23.7872, 27.0485



21.1488, 23.7872, 17.3849

Complementary

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



20.5009, 23.7872, 35.4092



22.2403, 20.3117, 14.3042

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.



23.0065, 23.7872, 16.7471



20.5009, 23.7872, 35.4092



26.1558, 23.7872, 21.8559

Square

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



20.5009, 23.7872, 35.4092



25.7227, 23.7872, 32.6495



24.8569, 23.7872, 18.2670



19.7573, 23.7872, 20.1517

Rectangle

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



20.5009, 23.7872, 35.4092



23.5045, 23.7872, 37.5797



24.8569, 23.7872, 18.2670



21.7366, 23.7872, 16.9324

Sweetspot

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



20.5016, 23.7881, 35.4098



50.1746, 54.4270, 64.9877



20.1727, 27.9424, 20.4651



10.8777, 11.8393, 14.2823



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.5016, 23.7881, 35.4098



33.4379, 39.4800, 62.9848



16.7842, 16.3533, 34.1706



6.6603, 7.1863, 8.4427



9.6606, 11.4127, 27.6009



0.2068, 0.2722, 0.5049

Inverse Universe

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



23.0066, 17.7975, 27.0347



38.7090, 27.6663, 45.1836



26.1158, 28.0627, 15.5961



6.8226, 6.7220, 7.9170



13.6744, 6.7743, 13.0684



0.2617, 0.1280, 0.3242

Previews

White Background



This preview shows how the XYZ color 20.5009, 23.7872, 35.4092 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 20.5009, 23.7872, 35.4092 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

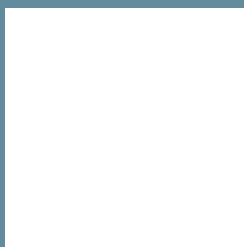
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5009, 23.7872, 35.4092

Background



This preview shows how black text looks on a background with the XYZ color 20.5009, 23.7872, 35.4092.



This preview shows how white text looks on a background with the XYZ color 20.5009, 23.7872,

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

20.5009, 23.7872, 35.4092

Protanopia

23.1247, 23.5154, 33.0259

Deuteranopia

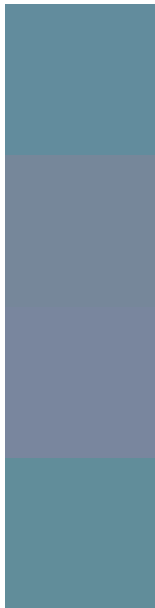
24.0722, 23.5368, 36.0752



Tritanopia

20.1221, 23.8581, 33.2503

Trichromacy



Original Color

20.5009, 23.7872, 35.4092

Protanomaly

21.9679, 23.5126, 33.9524

Deuteranomaly

22.5818, 23.5838, 35.7097

Tritanomaly

20.2874, 23.9242, 34.1204

Monochromacy



Original Color

20.5009, 23.7872, 35.4092

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5189, 22.4907, 27.6858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5009, 23.7872, 35.4092 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(98, 140, 157)` looks like.

```
.text, #text, p{  
    color:rgb(98, 140, 157)  
}
```

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(98, 140, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 140, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.5009, 23.7872, 35.4092 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(98, 140, 157) }
```


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

```
.border{ border-color:rgb(98, 140, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 140, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 140, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 140, 157);  
box-shadow:4px 4px 4px 4px rgb(98, 140,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5009, 23.7872, 35.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 140, 157) }
```

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

```
.background{ background-color: rgb(98, 140,  
157) }
```

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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