

Converting Colors

XYZ(20.5619, 25.0162, 30.8671)

Have a look what the booklet for
XYZ(20.5619, 25.0162, 30.8671)
contains.

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Color

**XYZ(20.5692, 25.0354,
30.9423)**

Conversions

Conversions Part 1

Format	Color
Hex	649192
RGB	100, 145, 146
RGB Percent	39%, 57%, 57%
CMY	0.6078, 0.4314, 0.4274
CMYK	0.32, 0.01, 0.00, 0.43
HSL	181°, 19%, 48%
HSV	181°, 32%, 57%
XYZ	20.5692, 25.0354, 30.9423
YIQ	131.6590, -27.1410, -9.2290

Conversions

Conversions Part 2

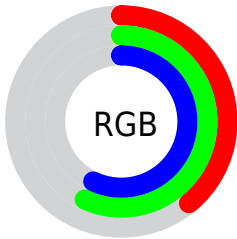
Format	Color
R_{YB}	100, 123, 146
Decimal	6590866
CIE _{Lab}	57.11, -14.94, -5.44
CIE _{LCh}	57, 15.898, 200.005
Yxy	25.0354, 0.2687, 0.3271
Android (android.graphics.Color)	4284780946 (0xFF649192)
YUV	131.6590, 7.0701, -27.7649
Hunter-Lab	50.0354, -14.1818, -1.6407

Details

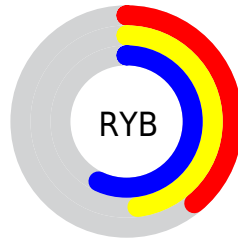
The XYZ color **20.5692, 25.0354, 30.9423** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.8083, 16.3386, 14.2195**, and the grayscale version is **21.7923, 22.9272, 24.9678**.

A 20% lighter version of the original color is **43.9856, 51.7893, 62.3216**, and **7.4294, 9.5280, 12.5139** is the 20% darker color. If you saturate the color by 10%, you get **19.0487, 24.1804, 30.8578**, and if you desaturate by 10%, it is **22.3807, 26.0419, 31.0415**.

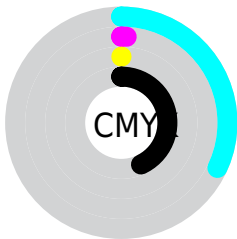
Distribution



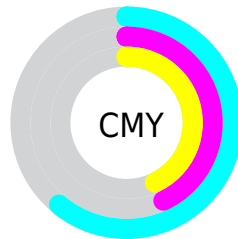
- Red (39%)
- Green (57%)
- Blue (57%)



- Red (39%)
- Yellow (48%)
- Blue (57%)



- Cyan (32%)
- Magenta (1%)
- Yellow (0%)
- Black (43%)



- Cyan (61%)
- Magenta (43%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5692, 25.0354, 30.9423 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 20.5692, 25.0354, 30.9423 by changing the saturation by 10% instead.

■ 20.5692, 25.0354,
30.9423

■ 20.5692, 25.0354,
30.9423

■ 247.7554,
278.0142, 320.6154

■ 12.9201, 16.1034,
20.2968

■ 43.8662, 51.7146,
62.2277

■ 7.4502, 9.5974,
12.4248

■ 60.2447, 70.2307,
83.7048

■ 3.7940, 5.1328,
6.9076

■ 80.2639, 92.7103,
109.6294

■ 1.5863, 2.3254,
3.3268

■ 104.2889,
119.5377, 140.4201

■ 0.3834, 0.7871,
1.2638

■ 132.6853,
151.0974, 176.4956

■ 0.0000, 0.0000,
0.0319

■ 165.8182,

■ 0.0000, 0.0000,

187.7738, 218.2742

0.0000

204.0531,
229.9513, 266.1747

■ 20.5692, 25.0354,
30.9423

■ 20.5692, 25.0354,
30.9423

■ 19.0487, 24.1804,
30.8578

■ 22.3807, 26.0419,
31.0415

■ 17.8016, 23.4659,
30.7856

■ 24.4953, 27.2042,
31.1544

■ 16.8117, 22.8842,
30.7255

■ 26.9271, 28.5302,
31.2822

■ 16.0602, 22.4256,
30.6766

■ 29.6888, 30.0265,
31.4254

■ 15.5258, 22.0792,
30.6379

■ 32.7921, 31.6991,
31.5847

■ 15.1834, 21.8319,
30.6082

■ 36.2484, 33.5538,
31.7606

■ 14.9857, 21.6700,
30.5874

■ 40.0684, 35.5963,
31.9535

■ 44.2626, 37.8319,
32.1639

■ 48.8406, 40.2655,
32.3924

Harmonies

Analogous

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



20.4220, 25.0354, 25.5081



20.5692, 25.0354, 30.9423



21.5550, 25.0354, 35.9491

Triad

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



20.5692, 25.0354, 30.9423



26.6625, 25.0354, 34.4402



24.4259, 25.0354, 18.3111

Complementary

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



20.5692, 25.0354, 30.9423



18.8083, 16.3386, 14.2195

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.



26.1859, 25.0354, 20.0965



20.5692, 25.0354, 30.9423



27.5213, 25.0354, 29.0888

Square

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



20.5692, 25.0354, 30.9423



25.0489, 25.0354, 38.1450



27.3424, 25.0354, 23.8808



22.5845, 25.0354, 18.6708

Rectangle

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



20.5692, 25.0354, 30.9423



22.5851, 25.0354, 38.1459



27.3424, 25.0354, 23.8808



25.0482, 25.0354, 18.6702

Sweetspot

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



20.5699, 25.0364, 30.9429



44.1581, 48.5080, 55.0092



17.8724, 24.2026, 15.9822



9.7035, 10.7256, 12.2310



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.5699, 25.0364, 30.9429



34.2889, 43.0443, 54.4747



17.4325, 18.7616, 29.8971



5.9534, 6.5409, 7.4185



13.1895, 19.0739, 26.9175



0.1642, 0.2390, 0.3304

Inverse Universe

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



21.5226, 17.2702, 28.9883



36.2576, 27.0957, 50.4135



21.3332, 21.3885, 15.0611



6.0299, 5.9070, 7.2638



14.7845, 7.1189, 23.4102



0.1823, 0.0877, 0.2939

Previews

White Background



This preview shows how the XYZ color 20.5692, 25.0354, 30.9423 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 20.5692, 25.0354, 30.9423 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

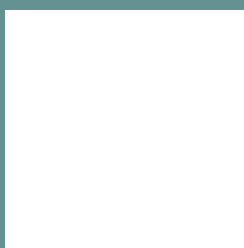
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5692, 25.0354, 30.9423

Background



This preview shows how black text looks on a background with the XYZ color 20.5692, 25.0354, 30.9423.



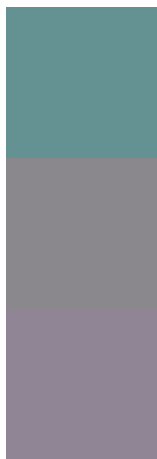
This preview shows how white text looks on a background with the XYZ color 20.5692, 25.0354,

30.9423.

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

20.5692, 25.0354, 30.9423

Protanopia

24.0931, 24.9347, 28.7423

Deuteranopia

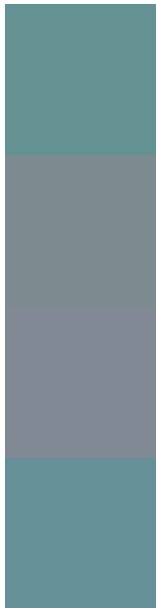
25.3139, 24.8743, 31.9008



Tritanopia

21.3691, 25.1379, 34.7362

Trichromacy



Original Color

20.5692, 25.0354, 30.9423

Protanomaly

22.5027, 24.7335, 29.5746

Deuteranomaly

23.1930, 24.6186, 31.5464

Tritanomaly

21.0076, 24.9802, 33.4202

Monochromacy



Original Color

20.5692, 25.0354, 30.9423

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.2067, 23.6905, 27.1219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5692, 25.0354, 30.9423 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(100, 145, 146)` looks like.

```
.text, #text, p{  
    color:rgb(100, 145, 146)  
}
```

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(100, 145, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 145, 146) }
```

Border

The CSS property to change the border of an element to XYZ 20.5692, 25.0354, 30.9423 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(100, 145, 146) }
```


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

```
.border{ border-color:rgb(100, 145, 146) }
```

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

Here you see how a box with a 4 pixel rgb(100, 145, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 145, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 145, 146);  
box-shadow:4px 4px 4px 4px rgb(100, 145,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5692, 25.0354, 30.9423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 145, 146) }
```

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

```
.background{ background-color: rgb(100,  
145, 146) }
```

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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