

Converting Colors

XYZ(19.6312, 22.6336, 33.6501)

Have a look what the booklet for
XYZ(19.6312, 22.6336, 33.6501)
contains.

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Color

**XYZ(19.6252, 22.7326,
33.4905)**

Conversions

Conversions Part 1

Format	Color
Hex	618999
RGB	97, 137, 153
RGB Percent	38%, 54%, 60%
CMY	0.6196, 0.4627, 0.4000
CMYK	0.37, 0.10, 0.00, 0.40
HSL	197°, 22%, 49%
HSV	197°, 37%, 60%
XYZ	19.6252, 22.7326, 33.4905
YIQ	126.8640, -28.9760, -3.5040

Conversions

Conversions Part 2

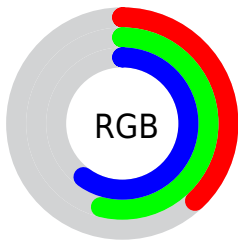
Format	Color
R _Y B	97, 120, 153
Decimal	6392217
CIE Lab	54.80, -9.63, -12.94
CIE LCh	55, 16.132, 233.354
Yxy	22.7326, 0.2587, 0.2997
Android (android.graphics.Color)	4284582297 (0xFF618999)
YUV	126.8640, 12.8850, -26.1907
Hunter-Lab	47.6787, -9.9648, -8.2714

Details

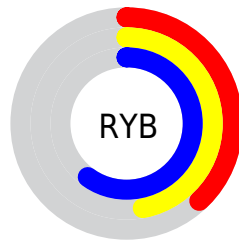
The XYZ color **19.6252, 22.7326, 33.4905** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.2001, 19.4460, 13.9460**, and the grayscale version is **20.0910, 21.1373, 23.0186**.

A 20% lighter version of the original color is **42.2536, 47.8159, 66.0339**, and **6.9788, 8.3800, 13.8201** is the 20% darker color. If you saturate the color by 10%, you get **17.5408, 20.7547, 33.2190**, and if you desaturate by 10%, it is **22.0506, 24.9247, 33.7862**.

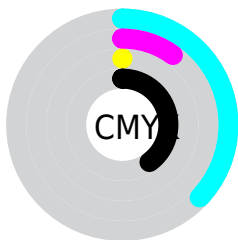
Distribution



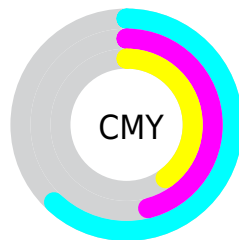
- Red (38%)
- Green (54%)
- Blue (60%)



- Red (38%)
- Yellow (47%)
- Blue (60%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (62%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6252, 22.7326, 33.4905 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 19.6252, 22.7326, 33.4905 by changing the saturation by 10% instead.

■ 19.6252, 22.7326,
33.4905

■ 19.6252, 22.7326,
33.4905

242.7512,
266.3486, 332.5537

■ 12.2296, 14.3962,
22.2283

■ 42.2967, 47.9539,
66.2654

■ 6.9735, 8.3967,
13.8248

■ 58.3032, 65.6075,
88.6151

■ 3.4917, 4.3498,
7.8616

■ 77.9108, 87.1357,
115.4978

■ 1.4188, 1.8711,
3.9200

■ 101.4847,
112.9229, 147.3319

■ 0.2696, 0.5309,
1.5816

129.3903,
143.3533, 184.5360

■ 0.0000, 0.0000,
0.2776

161.9931,

■ 0.0000, 0.0000,

178.8115, 227.5286

0.0000

199.6583,
219.6818, 276.7284

■ 19.6252, 22.7326,
33.4905

■ 19.6252, 22.7326,
33.4905

■ 17.5408, 20.7547,
33.2190

■ 22.0506, 24.9247,
33.7862

■ 15.7770, 18.9785,
32.9691

■ 24.8319, 27.3376,
34.1053

■ 14.3140, 17.3939,
32.7403

■ 27.9856, 29.9806,
34.4493

■ 13.1291, 15.9887,
32.5316

■ 31.5265, 32.8620,
34.8188

■ 12.1961, 14.7489,
32.3414

■ 35.4687, 35.9892,
35.2146

■ 11.4749, 13.6534,
32.1680

■ 39.8253, 39.3696,
35.6375

■ 11.2494, 13.2990,
32.1115

■ 44.6090, 43.0100,
36.0880

■ 49.8320, 46.9170,
36.5669

■ 55.5057, 51.0970,
37.0747

Harmonies

Analogous

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



18.6109, 22.7326, 28.8497



19.6252, 22.7326, 33.4905



21.2125, 22.7326, 35.8356

Triad

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



19.6252, 22.7326, 33.4905



25.1922, 22.7326, 25.9052



20.2765, 22.7326, 16.7911

Complementary

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



19.6252, 22.7326, 33.4905



21.2001, 19.4460, 13.9460

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.



22.0057, 22.7326, 16.2276



19.6252, 22.7326, 33.4905



24.9078, 22.7326, 21.0619

Square

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



19.6252, 22.7326, 33.4905



24.4743, 22.7326, 31.0838



23.7172, 22.7326, 17.6833



18.9722, 22.7326, 19.3442

Rectangle

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



19.6252, 22.7326, 33.4905



22.4078, 22.7326, 35.5810



23.7172, 22.7326, 17.6833



20.8248, 22.7326, 16.3786

Sweetspot

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



19.6259, 22.7335, 33.4910



47.4260, 51.4535, 61.4039



19.2947, 26.5136, 19.6848



10.3203, 11.2341, 13.5420



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.6259, 22.7335, 33.4910



32.0173, 37.7557, 59.5721



16.1630, 15.8077, 32.3367



6.2354, 6.7282, 7.8990



9.3267, 11.0500, 26.5490



0.1699, 0.2261, 0.4071

Inverse Universe

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



21.9275, 17.1285, 25.8183



36.8830, 26.6333, 43.1886



24.8003, 26.6464, 15.1460



6.3859, 6.2935, 7.4124



13.1664, 6.5208, 12.6673



0.2122, 0.1036, 0.2703

Previews

White Background



This preview shows how the XYZ color 19.6252, 22.7326, 33.4905 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 19.6252, 22.7326, 33.4905 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

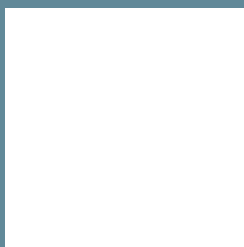
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6252, 22.7326, 33.4905

Background



This preview shows how black text looks on a background with the XYZ color 19.6252, 22.7326, 33.4905.



This preview shows how white text looks on a background with the XYZ color 19.6252, 22.7326,

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

19.6252, 22.7326, 33.4905

Protanopia

22.2300, 22.6926, 31.2254

Deuteranopia

23.1513, 22.7104, 34.1737



Tritanopia

19.3372, 22.8337, 31.8219

Trichromacy



Original Color

19.6252, 22.7326, 33.4905

Protanomaly

21.2287, 22.7590, 32.1282

Deuteranomaly

21.5568, 22.4876, 33.7762

Tritanomaly

19.4174, 22.8658, 32.2443

Monochromacy



Original Color

19.6252, 22.7326, 33.4905

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7627, 21.7232, 26.4439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6252, 22.7326, 33.4905 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(97, 137, 153)` looks like.

```
.text, #text, p{  
    color:rgb(97, 137, 153)  
}
```

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(97, 137, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 137, 153) }
```

Border

The CSS property to change the border of an element to XYZ 19.6252, 22.7326, 33.4905 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(97, 137, 153) }
```


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

```
.border{ border-color:rgb(97, 137, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 137, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 137, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 137, 153);  
box-shadow:4px 4px 4px 4px rgb(97, 137,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6252, 22.7326, 33.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 137, 153) }
```

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

```
.background{ background-color: rgb(97, 137,  
153) }
```

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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