

Converting Colors

XYZ(16.3712, 20.6234, 24.2301)

Have a look what the booklet for
XYZ(16.3712, 20.6234, 24.2301)
contains.

XYZ(16.3921, 20.6403, 24.2391)	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(16.3921, 20.6403,
24.2391)**

Conversions

Conversions Part 1

Format	Color
Hex	568682
RGB	86, 134, 130
RGB Percent	34%, 53%, 51%
CMY	0.6627, 0.4745, 0.4902
CMYK	0.36, 0.00, 0.03, 0.47
HSL	175°, 22%, 43%
HSV	175°, 36%, 53%
XYZ	16.3921, 20.6403, 24.2391
YIQ	119.1920, -27.3240, -11.4200

Conversions

Conversions Part 2

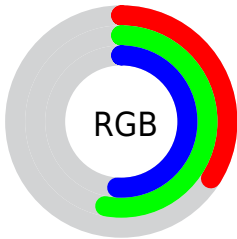
Format	Color
R_{YB}	86, 111, 134
Decimal	5670530
CIE _{Lab}	52.55, -17.18, -3.02
CIE _{LCh}	53, 17.438, 189.963
Yxy	20.6403, 0.2675, 0.3369
Android (android.graphics.Color)	4283860610 (0xFF568682)
YUV	119.1920, 5.3283, -29.1094
Hunter-Lab	45.4316, -15.1010, 0.1692

Details

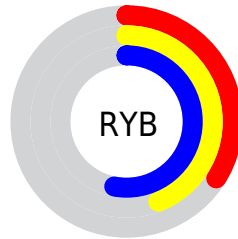
The XYZ color **16.3921, 20.6403, 24.2391** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.0055, 12.4627, 11.2883**, and the grayscale version is **17.5857, 18.5015, 20.1481**.

A 20% lighter version of the original color is **36.7988, 44.3628, 51.4231**, and **5.3831, 7.3098, 8.9118** is the 20% darker color. If you saturate the color by 10%, you get **15.1977, 20.0337, 23.7943**, and if you desaturate by 10%, it is **17.8198, 21.3681, 24.7000**.

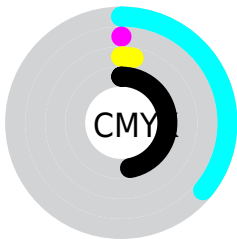
Distribution



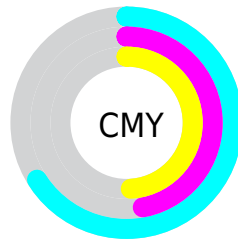
- Red (34%)
- Green (53%)
- Blue (51%)



- Red (34%)
- Yellow (44%)
- Blue (53%)



- Cyan (36%)
- Magenta (0%)
- Yellow (3%)
- Black (47%)



- Cyan (66%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3921, 20.6403, 24.2391 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 16.3921, 20.6403, 24.2391 by changing the saturation by 10% instead.

■ 16.3921, 20.6403,
24.2391

■ 16.3921, 20.6403,
24.2391

224.8696,
255.3607, 287.3525

■ 9.8946, 12.8613,
15.2972

■ 36.8296, 44.4881,
51.3688

■ 5.3909, 7.3331,
8.8793

■ 51.5003, 61.3258,
70.3937

■ 2.5155, 3.6713,
4.5668

■ 69.6261, 81.9517,
93.6168

■ 0.9031, 1.4914,
1.9412

■ 91.5724, 106.7505,
121.4565

■ 0.0000, 0.2827,
0.5187

■ 117.7046,
136.1063, 154.3313

■ 0.0000, 0.0000,
0.0000

148.3879,

170.4037, 192.6599

183.9878,
210.0270, 236.8608

■ 16.3921, 20.6403,
24.2391

■ 16.3921, 20.6403,
24.2391

■ 15.1977, 20.0337,
23.7943

■ 17.8198, 21.3681,
24.7000

■ 14.2220, 19.5392,
23.3635

■ 19.4911, 22.2209,
25.1760

■ 13.4512, 19.1503,
22.9466

■ 21.4176, 23.2051,
25.6683

■ 12.8694, 18.8587,
22.5427

■ 23.6098, 24.3262,
26.1773

■ 12.4584, 18.6551,
22.1510

■ 26.0775, 25.5893,
26.7035

■ 12.1894, 18.5245,
21.7701

■ 28.8302, 26.9992,
27.2474

■ 12.0900, 18.4767,
21.6128

■ 31.8766, 28.5604,
27.8093

■ 35.2254, 30.2774,
28.3898

■ 38.8848, 32.1544,
28.9891

Harmonies

Analogous

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



16.5325, 20.6403, 19.2350



16.3921, 20.6403, 24.2391



17.0745, 20.6403, 29.4873

Triad

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



16.3921, 20.6403, 24.2391



21.9345, 20.6403, 30.9925



20.8322, 20.6403, 14.3642

Complementary

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



16.3921, 20.6403, 24.2391



15.0055, 12.4627, 11.2883

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.



22.4023, 20.6403, 16.6711



16.3921, 20.6403, 24.2391



23.0653, 20.6403, 26.0571

Square

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



16.3921, 20.6403, 24.2391



20.2251, 20.6403, 33.7635



23.2415, 20.6403, 20.7963



19.0232, 20.6403, 14.0313

Rectangle

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



16.3921, 20.6403, 24.2391



17.9303, 20.6403, 32.2317



23.2415, 20.6403, 20.7963



21.4084, 20.6403, 14.9155

Sweetspot

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



16.3927, 20.6411, 24.2396



35.8371, 39.9141, 44.7495



14.5001, 19.9369, 11.8885



7.9894, 8.9492, 10.0598



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.3927, 20.6411, 24.2396



27.1404, 35.4812, 42.0667



14.2494, 15.9162, 24.8763



4.7853, 5.2724, 5.8807



11.3316, 17.3155, 20.2635



0.0405, 0.0605, 0.0767

Inverse Universe

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



15.0055, 12.4627, 11.2883



24.3212, 18.8439, 15.7345



16.5839, 15.8848, 10.9965



4.6872, 4.6946, 4.9650



9.2731, 4.7736, 0.7445



0.0331, 0.0169, 0.0076

Previews

White Background



This preview shows how the XYZ color 16.3921, 20.6403, 24.2391 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 16.3921, 20.6403, 24.2391 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

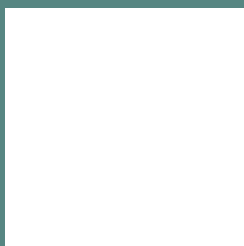
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3921, 20.6403, 24.2391

Background



This preview shows how black text looks on a background with the XYZ color 16.3921, 20.6403, 24.2391.



This preview shows how white text looks on a background with the XYZ color 16.3921, 20.6403,

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

16.3921, 20.6403, 24.2391

Protanopia

19.5981, 20.3826, 21.9701

Deuteranopia

20.7439, 20.3547, 25.0258



Tritanopia

17.3290, 20.6095, 29.0513

Trichromacy



Original Color

16.3921, 20.6403, 24.2391

Protanomaly

18.1672, 20.3894, 22.7167

Deuteranomaly

18.8282, 20.3007, 24.7559

Tritanomaly

16.9995, 20.6847, 27.1413

Monochromacy



Original Color

16.3921, 20.6403, 24.2391

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.8462, 18.9712, 21.5128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3921, 20.6403, 24.2391 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(86, 134, 130) looks like.

```
.text, #text, p{  
    color:rgb(86, 134, 130)  
}
```

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(86, 134, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 134, 130) }
```

Border

The CSS property to change the border of an element to XYZ 16.3921, 20.6403, 24.2391 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(86, 134, 130) }
```


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

```
.border{ border-color:rgb(86, 134, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 134, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 134, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 134, 130);  
box-shadow:4px 4px 4px 4px rgb(86, 134,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3921, 20.6403, 24.2391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 134, 130) }
```

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

```
.background{ background-color: rgb(86, 134,  
130) }
```

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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