

Converting Colors

XYZ(20.5125, 22.9591, 35.6255)

Have a look what the booklet for
XYZ(20.5125, 22.9591, 35.6255)
contains.

XYZ(20.4552, 22.9017, 35.6901)	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(20.4552, 22.9017,
35.6901)**

Conversions

Conversions Part 1

Format	Color
Hex	66889E
RGB	102, 136, 158
RGB Percent	40%, 53%, 62%
CMY	0.6000, 0.4667, 0.3804
CMYK	0.35, 0.14, 0.00, 0.38
HSL	204°, 22%, 51%
HSV	204°, 35%, 62%
XYZ	20.4552, 22.9017, 35.6901
YIQ	128.3420, -27.3260, -0.3660

Conversions

Conversions Part 2

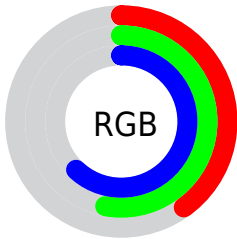
Format	Color
R_{YB}	102, 123, 158
Decimal	6719646
CIE _{Lab}	54.97, -6.27, -15.53
CIE _{LCh}	55, 16.754, 248.005
Yxy	22.9017, 0.2588, 0.2897
Android (android.graphics.Color)	4284909726 (0xFF66889E)
YUV	128.3420, 14.6214, -23.1019
Hunter-Lab	47.8557, -7.4504, -10.7186

Details

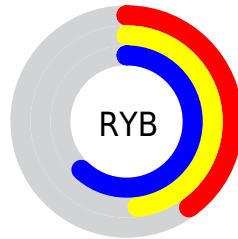
The XYZ color **20.4552, 22.9017, 35.6901** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.7069, 22.6441, 15.6923**, and the grayscale version is **20.5947, 21.6672, 23.5956**.

A 20% lighter version of the original color is **43.7254, 48.1679, 69.9435**, and **7.3978, 8.4472, 15.1505** is the 20% darker color. If you saturate the color by 10%, you get **17.9835, 20.3676, 35.3316**, and if you desaturate by 10%, it is **23.3203, 25.7148, 36.0825**.

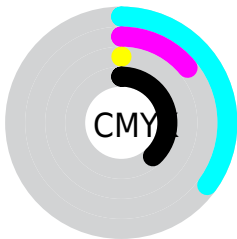
Distribution



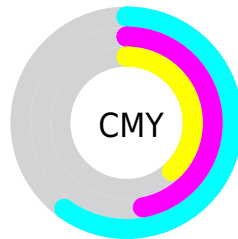
- Red (40%)
- Green (53%)
- Blue (62%)



- Red (40%)
- Yellow (48%)
- Blue (62%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)
- Black (38%)



- Cyan (60%)
- Magenta (47%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4552, 22.9017, 35.6901 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 20.4552, 22.9017, 35.6901 by changing the saturation by 10% instead.

■ 20.4552, 22.9017,
35.6901

■ 20.4552, 22.9017,
35.6901

247.1557,
267.2197, 342.6003

■ 12.8365, 14.5209,
23.9072

■ 43.6772, 48.2319,
69.7171

■ 7.3923, 8.4839,
15.0532

■ 60.0113, 65.9501,
92.7983

■ 3.7571, 4.4061,
8.7097

■ 79.9811, 87.5495,
120.4826

■ 1.5657, 1.9032,
4.4581

■ 103.9522,
113.4147, 153.1886

■ 0.3699, 0.5503,
1.8799

132.2899,
143.9299, 191.3348

■ 0.0000, 0.0000,
0.4799

165.3594,

■ 0.0000, 0.0000,

179.4795, 235.3398

0.0000

203.5263,
220.4480, 285.6222

■ 20.4552, 22.9017,
35.6901

■ 20.4552, 22.9017,
35.6901

■ 17.9835, 20.3676,
35.3316

■ 23.3203, 25.7148,
36.0825

■ 15.8827, 18.0982,
35.0043

■ 26.5953, 28.8150,
36.5083

■ 14.1313, 16.0814,
34.7074

■ 30.2984, 32.2136,
36.9691

■ 12.7044, 14.3032,
34.4393

■ 34.4461, 35.9202,
37.4659

■ 11.5733, 12.7475,
34.1987

■ 39.0539, 39.9438,
37.9997

■ 10.7010, 11.3936,
33.9833

■ 44.1364, 44.2932,
38.5713

■ 10.3483, 10.8219,
33.8916

■ 49.7078, 48.9767,
39.1817

■ 55.7815, 54.0024,
39.8316

■ 62.3704, 59.3780,
40.5220

Harmonies

Analogous

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



19.0691, 22.9017, 31.7895



20.4552, 22.9017, 35.6901



22.2693, 22.9017, 36.5164

Triad

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



20.4552, 22.9017, 35.6901



25.5046, 22.9017, 23.5366



19.6386, 22.9017, 17.7047

Complementary

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



20.4552, 22.9017, 35.6901



23.7069, 22.6441, 15.6923

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.



21.2731, 22.9017, 16.1062



20.4552, 22.9017, 35.6901



24.7088, 22.9017, 19.1460

Square

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



20.4552, 22.9017, 35.6901



25.2548, 22.9017, 28.9723



23.1345, 22.9017, 16.5935



18.6168, 22.9017, 21.2933

Rectangle

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



20.4552, 22.9017, 35.6901



23.4903, 22.9017, 35.1167



23.1345, 22.9017, 16.5935



20.1308, 22.9017, 16.9419

Sweetspot

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



20.4559, 22.9026, 35.6906



51.0422, 54.8690, 66.6440



21.3114, 28.7208, 23.3135



11.3189, 12.1964, 15.0012



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.4559, 22.9026, 35.6906



33.3304, 37.6915, 64.2619



17.0706, 16.1321, 34.5622



6.6029, 7.0716, 8.4236



8.3269, 8.7454, 27.1564



0.1892, 0.2370, 0.4990

Inverse Universe

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



23.2965, 18.5501, 25.6461



39.4674, 29.0603, 42.3874



27.6412, 30.5126, 17.0037



6.7937, 6.7104, 7.7646



13.0013, 6.5051, 9.5236



0.2528, 0.1245, 0.2775

Previews

White Background



This preview shows how the XYZ color 20.4552, 22.9017, 35.6901 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 20.4552, 22.9017, 35.6901 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

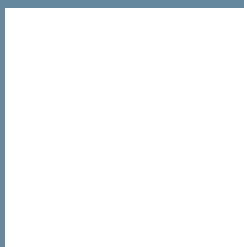
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4552, 22.9017, 35.6901

Background



This preview shows how black text looks on a background with the XYZ color 20.4552, 22.9017, 35.6901.



This preview shows how white text looks on a background with the XYZ color 20.4552, 22.9017,

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

20.4552, 22.9017, 35.6901

Protanopia

22.5678, 22.8104, 33.7852

Deuteranopia

23.2703, 22.7222, 36.4171



Tritanopia

19.7688, 23.0562, 31.8421

Trichromacy



Original Color

20.4552, 22.9017, 35.6901

Protanomaly

21.6389, 22.7206, 34.2554

Deuteranomaly

22.1200, 22.7289, 36.0221

Tritanomaly

19.9800, 22.9250, 33.0777

Monochromacy



Original Color

20.4552, 22.9017, 35.6901

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3842, 22.0186, 27.6018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4552, 22.9017, 35.6901 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(102, 136, 158)` looks like.

```
.text, #text, p{  
    color:rgb(102, 136, 158)  
}
```

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(102, 136, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 136, 158) }
```

Border

The CSS property to change the border of an element to XYZ 20.4552, 22.9017, 35.6901 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(102, 136, 158) }
```


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

```
.border{ border-color:rgb(102, 136, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 136, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 136, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 136, 158);  
box-shadow:4px 4px 4px 4px rgb(102, 136,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4552, 22.9017, 35.6901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 136, 158) }
```

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

```
.background{ background-color: rgb(102,  
136, 158) }
```

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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